SERVICE MANUAL

FE-1 CHASSIS

MODEL	COMMANDE	R DEST	CHASSIS NO.	MODEL	COMMANDE	R DEST	CHASSIS NO.	
KV-29X5A KV-29X5B KV-29X5D	RM-883 RM-883	Italian French	SCC-Q06A-A SCC-Q02A-A SCC-Q04A-A	KV-29X5K KV-29X5L KV-29X5R	RM-883 RM-883	OIRT Irish	SCC-Q03A-A SCC-Q07A-A SCC-Q03B-A	
KV-29X5D KV-29X5E	RM-883 RM-883	AEP Spanish	SCC-Q04A-A SCC-Q05A-A	KV-29X5H KV-29X5U	RM-883 RM-883	OIRT UK	SCC-Q03B-A SCC-Q01A-A	









ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
Italian	B/G/H	GERMAN Stereo	ITALIA VHF: A-H2 (C) UHF: 21-69 PAL B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1): S1-S41 CABLE TV (2): S01-S05, M1-M10, U1-U10	PAL NTSC4.43, NTSC3.58 (VIDEO IN)
French	B/G/H, D/K, L, I	GERMAN/NICAM Stereo	L VHF: F02-F10 UHF: F21-F60 CABLE: B-Q B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1): S1-S41 CABLE TV (2): S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H2 (C) UHF: 21-69 I UHF: B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
AEP	B/G/H, D/K	GERMAN Stereo	PAL B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1): S1-S41 CABLE TV (2): S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H2 (C) UHF: 21-69 D/K VHF: R01-R12 UHF: R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish	B/G/H, D/K	GERMAN/NICAM Stereo	PAL B/G VHF: E2-E12 UHF: E21-E69 CABLE TV (1): S1-S41 CABLE TV (2): S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H2 (C) UHF: 21-69 D/K VHF: R01-R12 UHF: R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	KV-29X5K GERMAN/NICAM Stereo KV-29X5R GERMAN Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 CABLE TV (1) : S1-S41 D/K VHF : R01-R12 UHF : R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Irish	I	NICAM Stereo	VHF : A-H2 VHF : E02-E12 CABLE CHANNELS S1-S20 HYPERBAND S21-S46	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
ик	I	NICAM Stereo	UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

MODEL	29X5A	29X5B	29X5D	29X5E	29X5K	29X5L	29X5R	29X5U
Power Consumption	100.1 W	108 W	108 W	108 W	108 W	158.5 W	108 W	158.5 W

[PICTURE TUBE] Super

Super Trinitron

Approx. 72cm (29 inches) (Approx. 68 cm picture measured

diagonally)

110 degree deflection

[FRONT]

→3 Video input - phono jack→03 Audio inputs - phono jacks

→S3 S Video input 4 pin DIN

Input/Output Terminals

[REAR]

⇒1/1→ 21-pin Euro connector (CENELEC standard).

- Inputs for Audio and Video signals.

- Inputs for RGB.

Outputs of TV Video and Audio signals.

⇒2/-\$2 21-pin Euro connector.

inputs for Audio and Video signals.

- inputs for S Video.

outputs for Audio and Video signals (selectable).

→ Phono Jack

- Outputs for Audio Signals

Sound output 2 x 20W (Music Power)

Power requirements 220 - 240V

Dimensions Approx 676x557x525mm

Weight Approx 43.5kg

Supplied accessories RM-883 Remote Commander (1) IEC designated R6 battery (1)

Other features NICAM*, FASTEXT, TOPTEXT *(KV-29X5B/29X5L/29X5L/29X5U only)

[RM-883]

Remote control system infrared control

Power requirements 1.5V dc

1 battery IEC designation

R6 (size AA)

 $\begin{array}{ll} Dimensions & Approx \ 65x225x21mm \ (w/h/d) \\ Weight & Approx \ 157g \ (Not including \ battery) \end{array}$

Design and specifications are subject to change without notice.

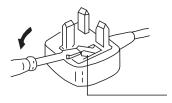
Model Name	KV-29X5A	KV-29X5B	KV-29X5D	KV-29X5E	KV-29X5K	KV-29X5L	KV-29X5R	KV-29X5U
Item	NV-29X5A	KV-29X3B	KV-29X5D	KV-29X5E	NV-29X5N	KV-29X5L	KV-29X5K	KV-29X5U
Pal Comb	OFF							
PIP	OFF							
RGB Priority	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
Woofer Box	OFF							
Scart 1	ON							
Scart 2	ON							
Front in (3)	ON							
Scart 4	OFF							
Projector	OFF							
AKB in 16:9 mode	ON							
Norm B/G	ON	ON	ON	ON	ON	OFF	ON	OFF
Norm I	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
Norm D/K	OFF	ON	ON	ON	ON	OFF	ON	OFF
Norm AUS	OFF							
Norm L	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Norm SAT	OFF							
Norm M	OFF							
Teletext	ON							
Nicam Stereo	OFF	ON	OFF	ON	ON	ON	OFF	ON
Language Preset	Italian	French	German	Spanish	OIRT	English	OIRT	English

WARNING (KV-29X5L / KV-29X5U only)

The flexible mains lead is supplied connected to a **B.S.** 1363 fused plug having a fuse of 5 **AMP** capacity. Should the fuse need to be replaced, use a 5 **AMP FUSE** approved by **ASTA** to **BS 1362**, ie one that carries the mark.

IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE OUTLET SOCKET.

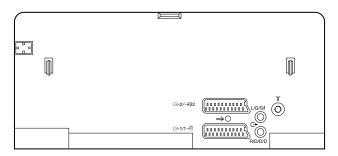
When an alternative type of plug is used it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.

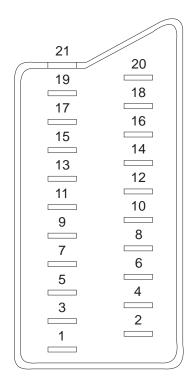


How to replace the fuse. Open the fuse compartment with a screwdriver blade and replace the fuse.

FUSE

21 pin connector (\div 1, \hookrightarrow 2 / \div S 2)





Pin No 1	1	2	4	Signal	Signal level
1)	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	\supset	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3)	0	0	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	\circ	0	0	Ground (audio)	
5)	0	0	Ground (blue)	
6)	0	0	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	\supset	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
8)	0	0	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9)	0	0	Ground (green)	
10)	0	0	Open	
11)	•	•	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	\supset	0	0	Open	
13	\supset	0	0	Ground (red)	
14	\supset	0	0	Ground (blanking)	
15	\supset	-	ı	Red input	0.7 +/- 3dB, 75 ohms, positive
	_	0	0	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16)	•	•	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17)	0	0	Ground (video output)	
18)	0	0	Ground (video input)	
19)	0	0	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	\supset	1	1	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	_	0	0	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	J			() ,	[` '

○ Connected ● Not Connected (op

Not Connected (open) * at 20Hz - 20kHz

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V+/- 3dB 75 ohm, positive Sync 0.3V -3/+10dB
4	C (S signal) input	0.3V+/- 3dB 75 ohm, positive Sync

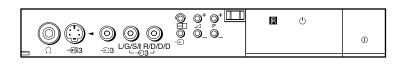


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	CAUTION				ATTENTION	

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP

WARNING!!

AN ISOLATING TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARKED \triangle ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

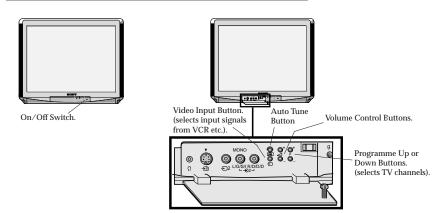
AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE. LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÈCURITÈ !!

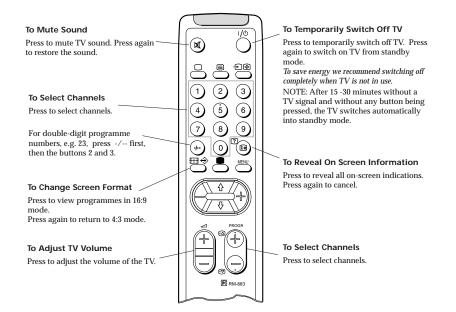
LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE A SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

Basic TV Features

Overview of TV Buttons



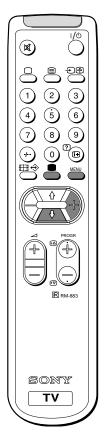
Overview of Remote Control Buttons



Additional TV Features

Using Select Mode

You can select different preset picture and sound modes.



1 Press the MENU button on the remote control to display the menu on the TV screen.



2 With the cursor pointing at the symbol on the TV screen as shown, press the yellow button.



3 Press the blue button to select the desired mode:



reverts to settings made in "Adjusting the Picture and Sound" sections of the manual

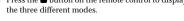


- for programmes broadcast live
- 4 Press the MENU button to remove the menu display from the TV screen.

Note: The mode selected in step 3 is now stored.

Changing Modes Quickly

1 Press the button on the remote control to display the three different modes.

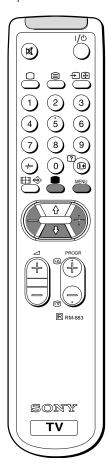




2 Press the button again to select your desired

Adjusting the Picture

Although the picture is adjusted at the factory, you can modify it to suit your own requirement. $\,$



1 Press the button on the remote control to display the three different modes on the TV screen

固

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...

允

OFF

▶ □

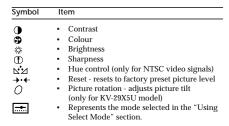
OFF

1000000000-----

111111111111111-----

100000000-----

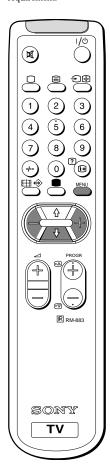
- **2** Press the **■** button to highlight the user mode symbol **■** as shown.
- **3** Press the MENU button to display the menu on the TV screen.
- 4 Press the blue button on the control to select the symbol on the TV screen then press the yellow button
- **5** Press the blue button to select the item you wish to change (see below).
- **6** Press the red or yellow button to alter the selected item.
- 7 Press the MENU button to remove the menu display from the TV screen.





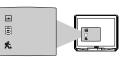
Adjusting the Sound

Although the sound is adjusted at the factory, you can modify it to suit your own requirement.



- 1 Press the button on the remote control to display the three different modes on the TV screen.
- 2 Press the button to highlight the user mode symbol _____ as shown.
- **3** Press the MENU button to display the menu on the TV screen.
- **4** Press the blue button to select the *J* symbol on the TV screen then press the yellow button.
- 5 Press the blue button to select the item you wish to change (see below).
- **6** Press the red or yellow button to alter the selected item
- **7** Press the MENU button to remove the menu display from the TV screen.

Symbol	Item
Ъα	Mono sound/Stereo sound
, ,	A: Channel 1 sound/B: Channel 2 sound
	(to select your desired language from a
	dual sound broadcast)
DSP	 On/Off (digital sound processor)
∮ ?:	Treble
Ž:	 Bass
$\triangle \triangle$	Balance
→· ←	 Reset (resets to factory preset sound
	level)
	· Represents the mode selected in the "Using
	Select Mode" section of the manual.













RM-883

SONY

TV

1 Press the MENU button on the remote control to display the menu on the TV screen.



2 Press the blue button on the control to select the ⊙ symbol on the TV screen, then press the yellow button.



3 Press the yellow button repeatedly until the required amount of time delay appears on the screen



4 Once the time delay has been selected, press the MENU button to remove the on-screen display.





Notes:

- When watching TV, press the button to display time remaining.
- To return to normal operation from standby mode, press the |/t) button.

Additional TV Features

Viewing Teletext

Teletext is an information service transmitted by most TV stations.



Selecting Teletext

- 1 Press a number button on the remote control to select the channel which carries the teletext service you wish to receive.
- 2 Press the button on the remote control to switch on teletext



- **3** Input three digits for the page number using the numbered buttons on the control.
- **4** Press the ☐ button to switch off teletext.

Note: Teletext errors may occur if the broadcasting signals are weak.

Using Other Teletext Functions

To Superimpose Teletext on to the TV

Press $\ensuremath{\ensuremath{\blacksquare}}$ once in teletext mode or twice in TV mode to superimpose teletext on to the TV screen.

Press again to cancel teletext mode.

To Move to Next or Preceding Page

Press PROGR ${\scriptscriptstyle +/-}$ on the remote control to select the previous or next page.

To Freeze a Teletext Page

Press 🗈 on the control to freeze the page.

Press again to cancel the freeze.

Revealing concealed information (eg: answers to a quiz).

Press ? to reveal information.

Press again to conceal the information.

Using colour buttons to access pages (Fastext)

When the colour coded menu appears at the bottom of a page, press the colour button (green, red, yellow or blue) to access the corresponding page.







Exchanging Programme Positions

After tuning you may wish to change the order in which the channels appear on the TV. You may wish for example to exchange the channel on programme number 8 with the channel on programme number 4.



SONTY

TV

9

1 Press the MENU button on the remote control.



2 Press the blue button on the control to select \forall on the TV screen, then press the yellow button.



3 Press the blue button to select ₹5 then press the yellow button.



4 With the cursor pointing at PROGR on the TV screen as shown, press PROGR + or - button until the channel you wish to rearrange appears on screen, then press the blue button once.



5 Press the red or yellow button to select the new programme number (e.g. PROGR 04) for your selected channel.



6 Press the blue button to select **♦** then press the yellow button to exchange the channels.

PROGR -+ 04 ▶ �

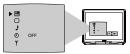
- **7** Repeat steps 4 to 6 if you wish to change the order of the other channels on your TV, then press MENU to return to normal TV screen.
- 8 Press the PROGR+/- button to view your selected channels on their new programme numbers.

Manually Tuning the TV

You have already tuned the TV to receive all available channels using the `Automatically Tuning the TV' procedure at the start of this manual. You can however carry out this operation manually using the following instructions.



1 Press the MENU button on the remote control to display the menu on the TV screen.



 ${f 2}$ Press the blue button to select the ${f Y}$ symbol on the TV screen then press the yellow button.



3 With the cursor pointing at PROGR on the TV screen as shown, press PROGR + or - button on the remote control to allocate a programme number to the channel (eg PROGR 01). For double digit numbers e.g. 55, press the -/-- button on the remote control then the corresponding numbered buttons.



4 Press the blue button to select the tuning bar scale then press the yellow or red button once to start the channel search. (Yellow to search up the scale or red to search down). When a channel is found it appears on the TV screen.



5 If you do not wish to store this channel on the programme number you selected, press the yellow or red button to continue searching for the desired channel.

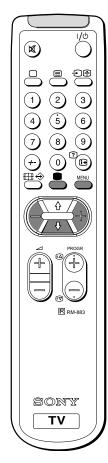


- **6** If this is the channel you wish to store, press the blue button to select the *⇒* symbol on the screen then press the yellow button to store.
- **7** Repeat steps 3 to 6 if you wish to store more channels then press the MENU button to remove the menu from the TV screen.

CH 05 ||||||||||| \leftarrow F \rightarrow Coo

Fine-Tuning Channels

If a channel is slightly off tune, you can use this fine tune procedure to obtain a better picture reception.



10

1 With the channel you wish to fine-tune on the screen, press the MENU button on the remote control. The menu display appears on the TV screen



2 Press the blue button on the remote control to select the

y symbol on the TV screen then press the yellow button.



3 Press the blue button to select the ←F→ symbol on the TV screen then press the red or yellow button to adjust the tuning.



 $\begin{tabular}{ll} \bf 4 & Press the blue button to select the $$\geqslant$ symbol on the TV screen then press the yellow button to store. \end{tabular}$



5 Press the MENU button to remove the menu from the TV screen.

Using Optional Equipment

You can connect optional audio or video equipment to your TV, such as a VCR, a camcorder or video games as shown.

Select and View the Input Signal

- **1** Connect your equipment to the designated TV socket.
- 2 Press the € button repeatedly on your remote control until the correct input symbol appears on the TV screen.

Symbol Input signals

• Audio/video input signal through the Euro AV

• RGB input signal through the Euro AV connector

• Audio/video input signal through the Euro AV connector
or the phono sockets
and
or

S video input signal through the socket B.

- **3** Switch on the connected equipment.
- $\boldsymbol{4}$. To return to normal TV picture, press the \bigcirc button on the remote control.

Note: To avoid picture distortion, do not connect equipment to the **B**, **C** or **E** connectors at the same time.

Additional Information

Connecting a VCR

We recommend you tune in the VCR signal to TV programme number `0' using the `Manually Tuning in the TV' section of this instruction manual.

Connecting Headphones

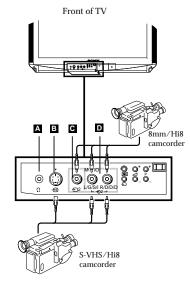
Plug in your headphones to the socket A on the front of the TV set.

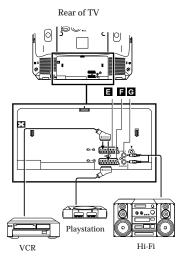
Connecting Decoders

Plug in decoders to the socket F on the rear of the TV.

Connecting to External Audio Equipment

Plug in your Hi-Fi equipment to the **G** sockets on the rear of the TV if you wish to amplify the audio output from the TV.





Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Solution
No picture (screen is dark), no sound	 Plug the TV in. Press the ⊕ button on the front of TV. If the ⊕ indicator is on press /⊕ button or a programme number button on the remote control. Check the aerial connection. Check that the selected video source is on. Turn the TV off for 3 or 4 seconds and then turn it on again using the ⊕ button on the front of the TV.
Poor or no picture (screen is dark), but good sound.	Using the MENU system, select the Picture Adjustment display. Adjust the brightness, picture and colour balance levels. From the Picture Adjustment display select → to return to the factory settings.
Poor picture quality when watching a RGB video source.	 Press the ⊕ button repeatedly on the remote control until the RGB symbol — is displayed on the screen.
Good picture, no sound	 Press the ∠ +/- button on the remote control. If ⋈ is displayed on the screen, press the ⋈ button on the remote control.
No colour on colour programmes	 Using the MENU system, select the Picture Adjustment display. Adjust the colour balance. From the Picture Adjustment display select → to return to the factory settings.
Distorted picture when changing programmes or selecting teletext	Turn off any equipment connected to the 21 pin Euro connector on the rear of the TV.
Remote control does not function	Replace the batteries.

- If you continue to have these problems, have your TV serviced by qualified personnel.
- · NEVER open the casing yourself.

Specifications

TV system

Colour system

NTSC 3.58, 4.43 (only Video In)

Channel coverage UHF: B21-B69

Picture tube

KV-25X5U:

Super Trinitron

Approx. 63 cm (25 inches) (Approx. 59 cm picture measured diagonally),

 100° deflection KV-29X5U:

Super Trinitron

Approx. 72 cm (29 inches) (Approx. 68 cm picture measured diagonally),

100° deflection

Inputs

- · Rear Terminals
- ← 1/- 21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output
- input, S-video input, Monitor audio/video output
- Front Terminals
- ⊕2 video input phono jack
- € 2 audio inputs phono jacks
- → S video input 4 pin DIN

Outputs

- Audio outputs (variable) phono jacks G-

Sound output:

2 x 10 W (RMS)

Power consumption

KV-25X5U: 139 W KV-29X5U: 158.5 W

Standby Power consumption

Dimensions (wxhxd)

KV-25X5U: Approx. 593 x 502 x 506 mm KV-29X5U: Approx. 676 x 557 x 525 mm

Weight

KV-25X5U: Approx. 33.2 kg KV-29X5U: Approx. 43.5 kg

Accessories supplied

RM-883 Remote Control (1)

IEC designated batteries (2)

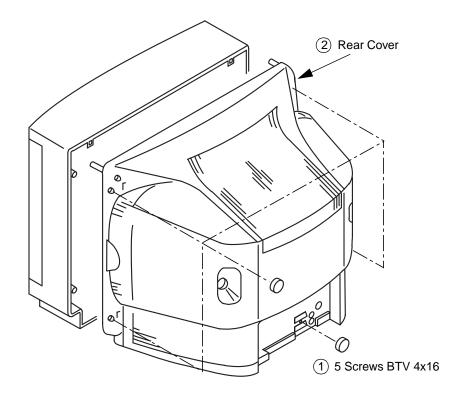
Other features

TELETEXT, Fastext

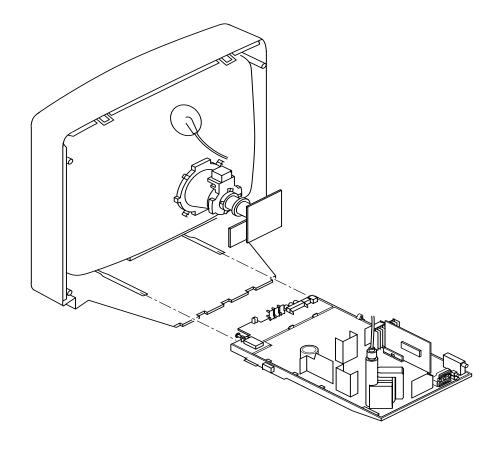
Design and specifications are subject to change without notice.

SECTION 2 DISASSEMBLY

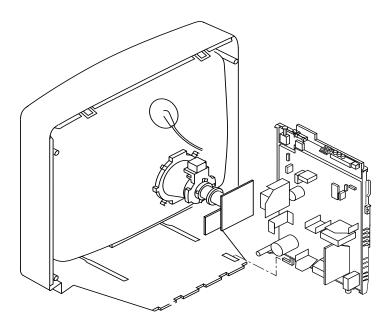
2-1. REAR COVER REMOVAL



2-2. CHASSIS ASSY REMOVAL



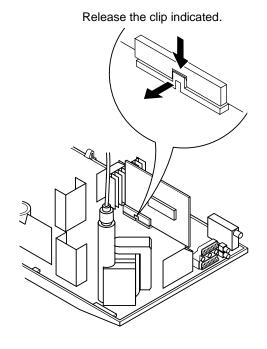
2-3. SERVICE POSITION



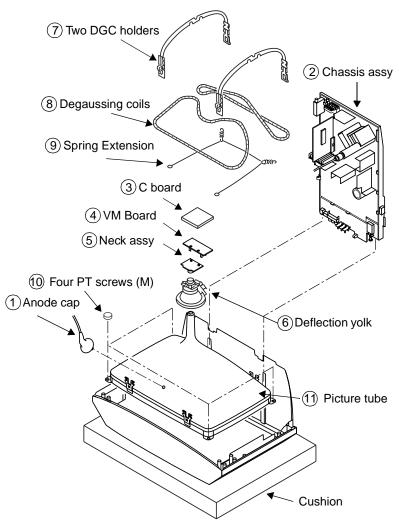
2-4. H1 BOARD REMOVAL

To release, push the claws in the direction of the arrow as indicated.

2-5. S1 BOARD REMOVAL



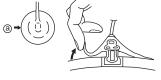
2-6. PICTURE TUBE REMOVAL



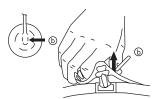
REMOVAL OF ANODE-CAP

Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

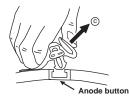
* REMOVING PROCEDURES.



1 Turn up one side of the rubber cap in the direction indicated by the arrow (a)



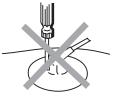
2 Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)

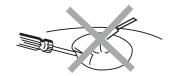


(3) When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ©

• HOW TO HANDLE THE ANODE-CAP

- 1 To prevent damaging the surface of the anode-cap do not use sharp materials.
- Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- 3 A metal fitting called a shatter hook terminal is fitted inside the rubber cap. Do not turn the rubber foot over excessively this may cause damage if the shatter hook sticks out.





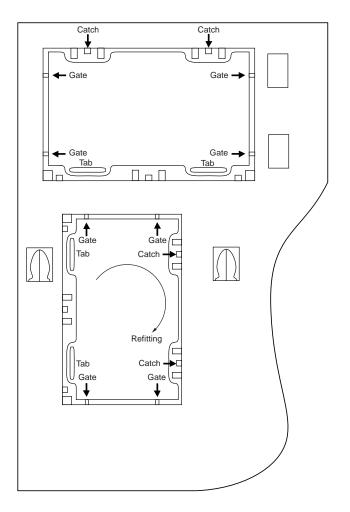
REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the A Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed.

This is performed by cutting the gates with a sharp wire cutter at the locations shown and indicated by arrows.

Note :There are 2 plates fitted to the main bracket and secured by 4 gates. Only remove the necessary plate to gain access to the printed wiring board.



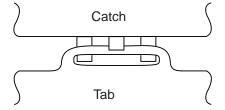


For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from the cut position to to allow the tabs to be fitted in the catch positions.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast	80% [or remote control	normal]
----------	------------------------	---------

Brightness 50%

Carry out the following adjustments in this order:

- 3-1. Beam Landing
- 3-2. Convergence
- 3-3. Focus
- 3-4. White balance

Note: Test equipment required

- 1. Color bar/pattern generator.
- 2. Degausser.
- 3. Oscilloscope.
- 4. Digital multimeter.
- 5. DC Power supply.

Preparation:

- 1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- Switch on the TV set's power and degauss with the degausser.

3-1. BEAM LANDING

- Input an all-white signal from the pattern generator.
 Set the Contrast and Brightness to normal.
- 2. Set the pattern generator raster signal to all Red.
- 3. Move the deflection yolk forward and adjust with the purity control so that the Red is at the centre and the Blue and Green take up equally sized areas on each side of the screen. [See Fig.3-1 3-3].
- 4. Move the deflection yolk forward and adjust so that the entire screen becomes Red. [See Fig.3-1].
- 5. Switch the raster signal to Blue, then to Green and verify the purity condition.
- When the position of the deflection yolk has been determined, fasten the deflection yolk with the screws.
- 7. If the beam does not land correctly in all the corners, use magnets to correct it. [See Fig.3-4].

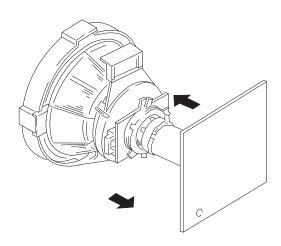
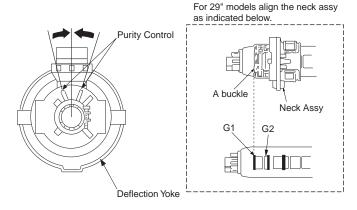


Fig. 3-1

Fig. 3-2



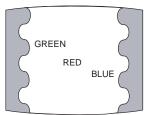
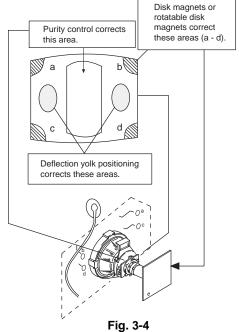


Fig. 3-3

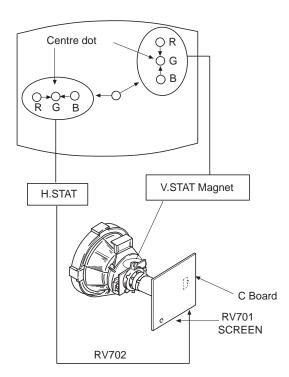


3-2. CONVERGENCE

Preparation:

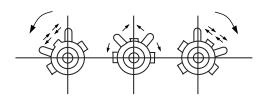
- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Minimize the Brightness setting.
- Input a dot pattern from the pattern generator.

(1) Horizontal and vertical static convergence

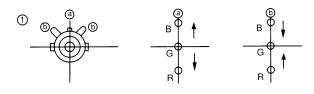


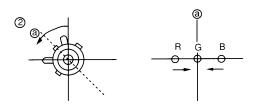
- [Moving horizontally], adjust the H.STAT control so that the Red, Green and Blue points are on top of each other at the centre of the screen.
- [Moving vertically], adjust the V.STAT magnet so that the Red, Green and Blue points are on top of each other at the centre of the screen.
- 3. If the H.STAT variable resistor is unable to bring the Red, Green and Blue points together at the centre of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner indicated below. [In this case, the H.STAT variable resistor and the V.STAT magnet influence each other].

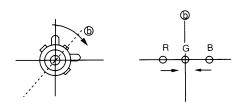
• Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

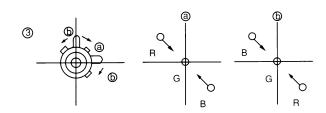


4. If the V.STAT magnet is moved in the direction of the a and b arrows, the Red, Green and Blue points move as indicated below.

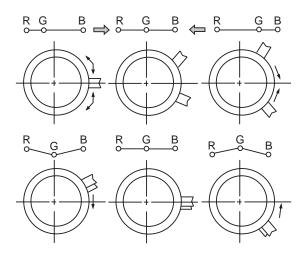








(2) Operation of the BMC (Hexapole) magnet.



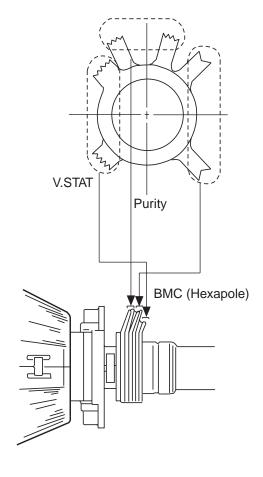
 The respective dot position resulting from moving each magnet interact, so be sure to perform adjustment whilst tracking.

Use the H.STAT VR to adjust the Red, Green and Blue dots so that they coincide at the centre of the screen [by moving the dots in the horizontal direction].

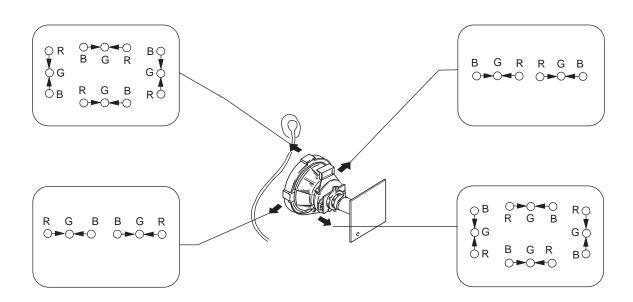
(3) Dynamic convergence adjustment.

Preparation:

- Before starting this adjustment, adjust the horizontal and vertical static convergence.
- 1. Slightly loosen the deflection yolk screws.

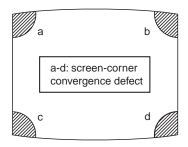


- 2. Remove the deflection yolk spacer.
- 3. Move the deflection yolk as indicated in the figure below and optimize the convergence.
- 4. Tighten the deflection yolk screws.
- 5. Re-install the deflection yolk spacer.

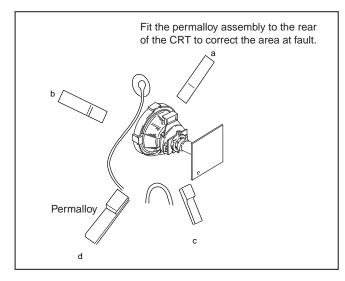


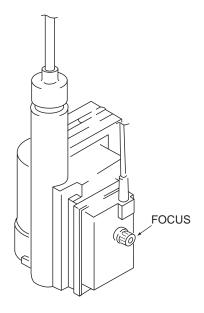
(4) Screen corner convergence.

• If you are unable to adjust the corner convergence properly, this can be corrected by the use of permalloy assemblies.









3-3. Screen [G2], White balance

G2 Setting

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- Apply 170Vdc from an external power supply to the R, G and B cathodes of the CRT.
- Whilst watching the picture, adjust the G2 control [RV701 SCREEN] located on the C Board to the point just before the flyback return lines disappear.

White balance adjustment

- 1. Input a 'PAL' all-white signal from the pattern generator.
- 2. Enter into the Service Mode.
- 3. Enter into the 'Picture' service menu.
- 4. Select the 'Green drive' and adjust so that the White Balance becomes optimum.
- 5. Select the 'Blue drive' and adjust so that the White Balance becomes optimum.
- 6. Set the Picture to MIN.
- 7. Set the 'R-cut-off' to 07.
- 8. Adjust the 'G-cut-off', and the 'B-cut-off' so that the White Balance becomes optimum.
- 10. Press the □ button to return to TV operation.

PICTURE	
R - Drive	Adj
G - Drive	Adj
B - Drive	Adj
R - cut - off	Adj
G - cut - off	Adj
B - cut - off	Adj
ID - start	02
ID - stop	01
ID - level	01
Bellfo	Adj
Sub Colour	Adj
Sub Brightness	Adj

3-4. FOCUS

- 1. Input a Phillips colour pattern
- 2. Set the picture settings to normal.
- 3. Adjust the focus control located on the Flyback transformer to bring the centre of the screen into focus.

Note: Bring only the centre area of the screen into focus, switch to an all-white pattern and confirm that the magenta ring is hardly noticed. To obtain optimum focus balance the focus setting between optimum screen centre focus and a reduced magenta ring level.

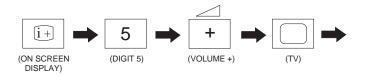
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

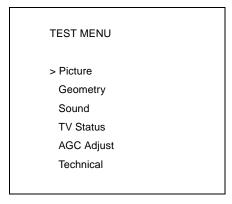
Service adjustments to this model can be performed using the supplied Remote Commander RM-883.

HOW TO ENTER INTO SERVICE MODE

- Turn on the main power switch and enter into the stand-by mode
- 2. Press the following sequence of buttons on the Remote Commander.



- 'TT--' will appear in the upper right corner of the screen
 - Other status information will also be displayed.
- 3. Press 'MENU' on the remote commander to obtain the following menu on the screen.



- 4. Move to the corresponding adjustment item using the 'Green' [up] or 'Blue' [down] buttons on the Remote Commander.
- 5. Press the 'Yellow' button to enter into the required menu item.
- 6. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :The data shown in the 'TV STATUS' table is dependant on destination and country.

PICTURE	
R - Drive	Adj
G - Drive	Adj
B - Drive	Adj
R - cut - off	Adj
G - cut - off	Adj
B - cut - off	Adj
ID - start	02
ID - stop	01
ID - level	01
Bellfo	Adj
Sub Colour	Adj
Sub Brightness	Adj

GEOMETRY	
V centre	Adj
V size	Adj
V Lin	Adj
S Corr	Adj
H Cent	Adj
H Size	Adj
Pin Amp	Adj
Corner Pin	Adj
Pin Phase	Adj
V Bow	Adj
V Angle	Adj
Upper V Lin	Adj
Lower V Lin	Adj
Left HBLK	07
Right HBLK	07
CD Mode (AV)	01

SOUND	
Nicam Error Lower	20
Nicam Error Upper	80
Nicam Error Rate	xx [Status only]
AGC Gain Level	xx [Status only]

TV STATUS	
Destination	A/L/E/U/D/B/K/R
Text Language	East/West

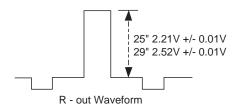
30
31
11
19
10
30
36
14
15
17
07

SUB BRIGHTNESS ADJUSTMENT

- 1. Input a Phillips colour pattern.
- 2. Press 'TEST' 'TEST' 13 on the Remote Commander.
- 3. Adjust the 'Sub-Brightness' data so that there is barely a difference between the 0 IRE and 10 IRE signal levels.

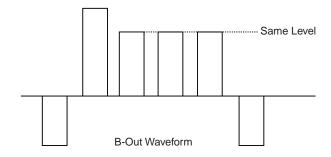
SUB CONTRAST ADJUSTMENT

- Input a video signal that contains a small 100% white area on a black background
- 2. Set the picture control to maximum. ['TT01']
- 3. Connect an oscilloscope to Pin 1 of CN504 [A Board].
- 4. Enter into the 'Picture' service menu.
- 5. Adjust the 'R Drive' data to obtain the following waveform.



SUB COLOUR ADJUSTMENT

- 1. Receive a PAL colour bar signal.
- 2. Connect an oscilloscope to Pin 3 of CN504 [A Board].
- 3. Enter into the 'Picture' service menu.
- 4. Adjust the 'Sub Colour' data so that the Cyan, Magenta and Blue colour bars are of equal levels as indicated below.



Note: Ensure that no signal is applied to the Antenna socket while carrying out the following IF adjustments.

SYSTEM B/G, D/K, I & L I.F ADJUSTMENT

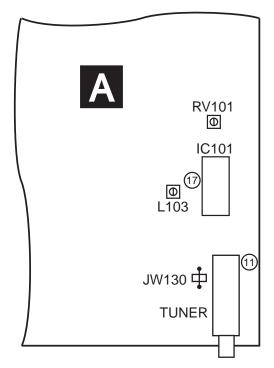
- Input a 38.9Mhz carrier signal at 100dBuV to Pin 11 [IF output] of the tuner [TU101].
- 2. Measure the voltage at Pin 17 of [IC101].
- 3. Adjust L103 [A Board] to obtain a voltage of 2.5V +/- 0.3V.

SYSTEM L BAND 1 I.F ADJUSTMENT

- Input a 34.0MHz carrier signal at 100dBuV to Pin 11 [IF output] of the tuner [TU101].
- 2. Select 'system L' + C00 [channel 00].
- 3. Measure the voltage at Pin 17 [IC101].
- 4. Adjust RV101 [A Board] to obtain a voltage of 2.5V + -0.3V.

TUNER AGC ADJUSTMENT

- Receive a signal of 65dBuV / 75 ohm terminated, via the tuner antenna socket.
- 2. Connect a voltmeter to JW130 [A Board].
- 3. Enter into the 'Test Menu'.
- 3. Select the 'AGC Adjust' menu item.
- Adjust the data using the Yellow and Green buttons on the Remote Commander to obtain a voltage of 3.0V +/- 0.2V.

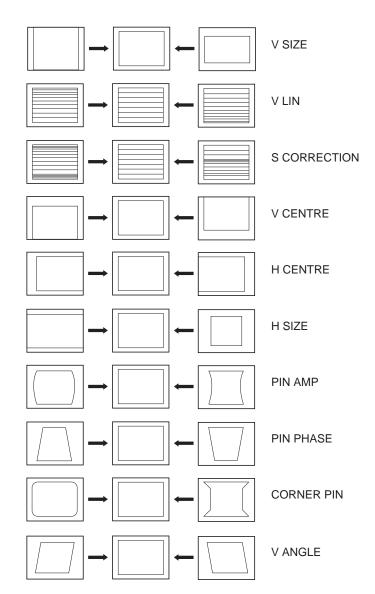


A Board component side

DEFLECTION SYSTEM ADJUSTMENT

- 1. Enter into the 'Geometry' service menu.
- 2. Select and adjust each item in order to obtain the optimum image.

GEOMETRY	
V centre	Adj
V size	Adj
V Lin	Adj
S Corr	Adj
H Cent	Adj
H Size	Adj
Pin Amp	Adj
Corner Pin	Adj
Pin Phase	Adj
V Bow	Adj
V Angle	Adj
Upper V Lin	Adj
Lower V Lin	Adj
Left HBLK	07
Right HBLK	07
CD Mode (AV)	01



4-2. TEST MODE 2:

Is available by pressing 'TEST' button twice, OSD 'TT' appears. The functions described below are available by pressing the two numbers. To release the Test mode 2, press 0 twice, or switch the TV into stand-by mode, or press the \Box TV button on the remote commander.

00	Cancel Test mode
01	Picture maximum
02	Picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Ageing mode On/Off
08	Set shipping conditions
09	Display TV Status
10	No function
11	Sub Picture Adjustment
12	Sub Colour Adjustment
13	Sub Brightness Adjustment
14	Text H position Adjustment
15	Rotation test
16	Picture level 50%
17	Audio mute ON
18	Disable Blanking
19	No function
20	No function
21	Destination A
22	Destination L
23	Destination E
24	Destination U
25	Destination D
26	Destination B
27	Destination K
28	Destination R
29	No function
30	No function
31	Audio shutoff Disable/Enable
32	RGB priority Disable/Enable
33	Rotation On/OFF
34	Text language East/West
35	Wide CRT/4:3 CRT
36	VM ON/OFF test
37	No function
38	No function
39	No function
40	No function
41	Re-initialize the NVM [Only when Prog=59]
	1

42	Re-initialise geometry settings [Only when Prog=59]
43	No function
44	No function
45	No function
46	No function
47	No function
48	Set NVM as NON Virgin [Only when Prog=59]
49	Set NVM as Virgin [Only when Prog=59]
50	No function
51	No function
52	No function
53	No function
54	No function
55	No function
56	No function
57	No function
58	No function
59	No function
60	No function
61	Auto AGC Adjust
62	Alternative Dest B Autotuning
63	Enable/Disable Y/C input
64	Signal Quality Check for Auto Tune
65	Signal Quality NOT Checked for Auto Tune
66	No function
67	Manual AGC Adjust
68 -100	No function

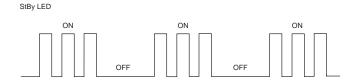
4-3. FE-1 SELF DIAGNOSTIC SOFTWARE

The identification of errors within the FE-1 chassis is triggered in one of two ways: -1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See Table 1., non fatal errors are reported using this method. Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

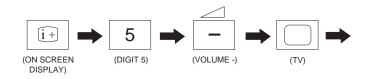
ERROR	LED ERROR COUNT
No error	00
Not allowed (may be confused with Sircs response flash!)	01
Protection circuit trip < ANY TIME >	02
Reserved	03
No vertical sync	04
AKB	05
IIC bus clock and/or data lines low at Power ON	06
NVM no IIC bus acknowledge at Power ON	07
Jungle controller no IIC acknowledge at Power ON	08
Tuner no acknowledge at Power ON	09
Sound processor no acknowledge at Power ON	10

Flash Timing Example: e.g. error number 3



How to enter into Table 2

- Turn on the main power switch of the TV set and enter into the 'Standby Mode'.
- Press the following sequence of buttons on the Remote Commander.



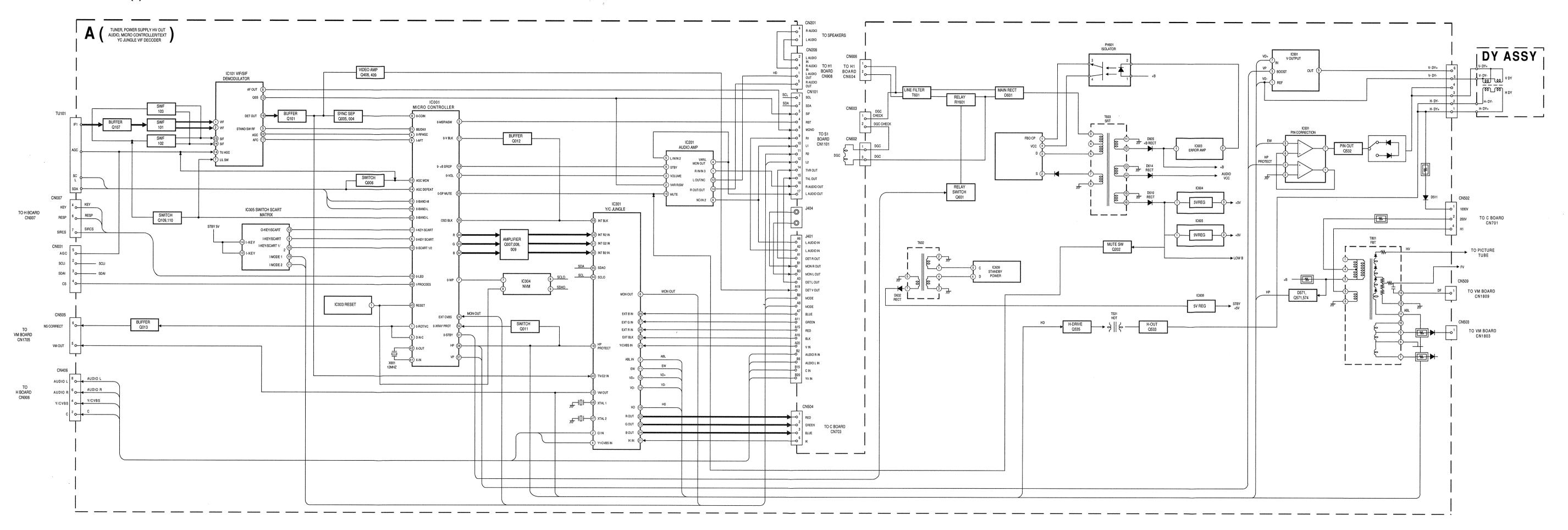
The following table will be displayed indicating the error count

Table 2

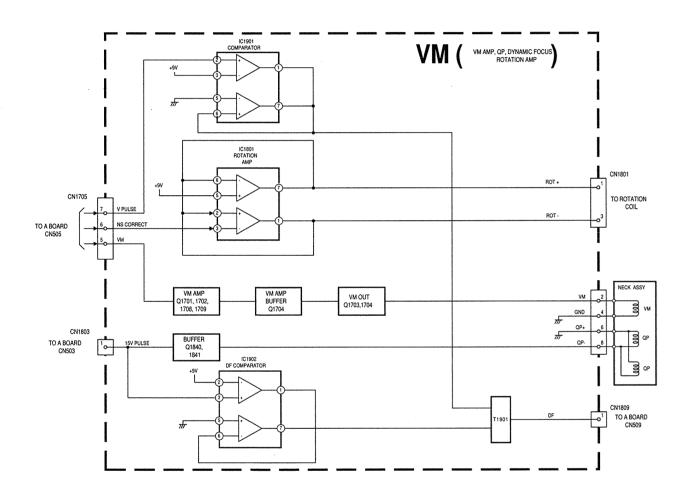
Error	Times
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-

Note: To clear the error count data press '80' on the Remote commander.

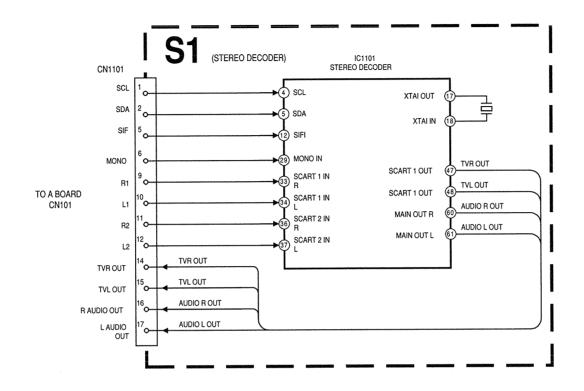
5-1 BLOCK DIAGRAMS (1)

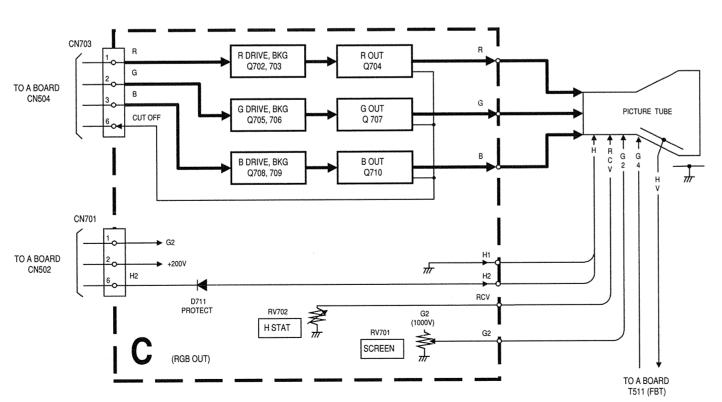


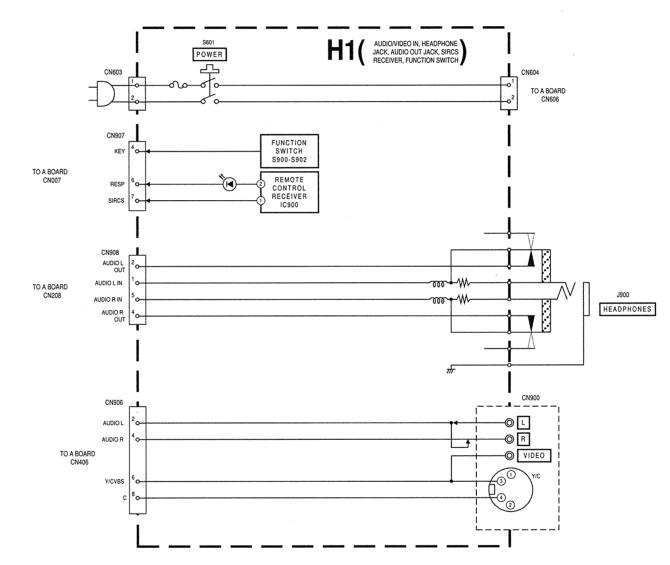
5-1 BLOCK DIAGRAMS (2)



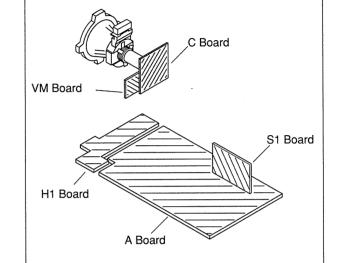
29







5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- All capacitors are in µF unless otherwise noted.
- pF : μμF 50WV or less are not indicated except for
- electrolytic types.

 Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5mm Electrical power rating: 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.
- k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- ______ : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have
- characteristic curve B, unless otherwise noted. All voltages are in Volts.
- All voltages are in volts.
 Readings are taken with a 10Mohm digital mutimeter.
 Readings are taken with a color bar input signal.
 Voltage variations may be noted due to normal production
- B bus.
- : RF signal path.
- : earth ground.
- : earth chassis.

Reference Information

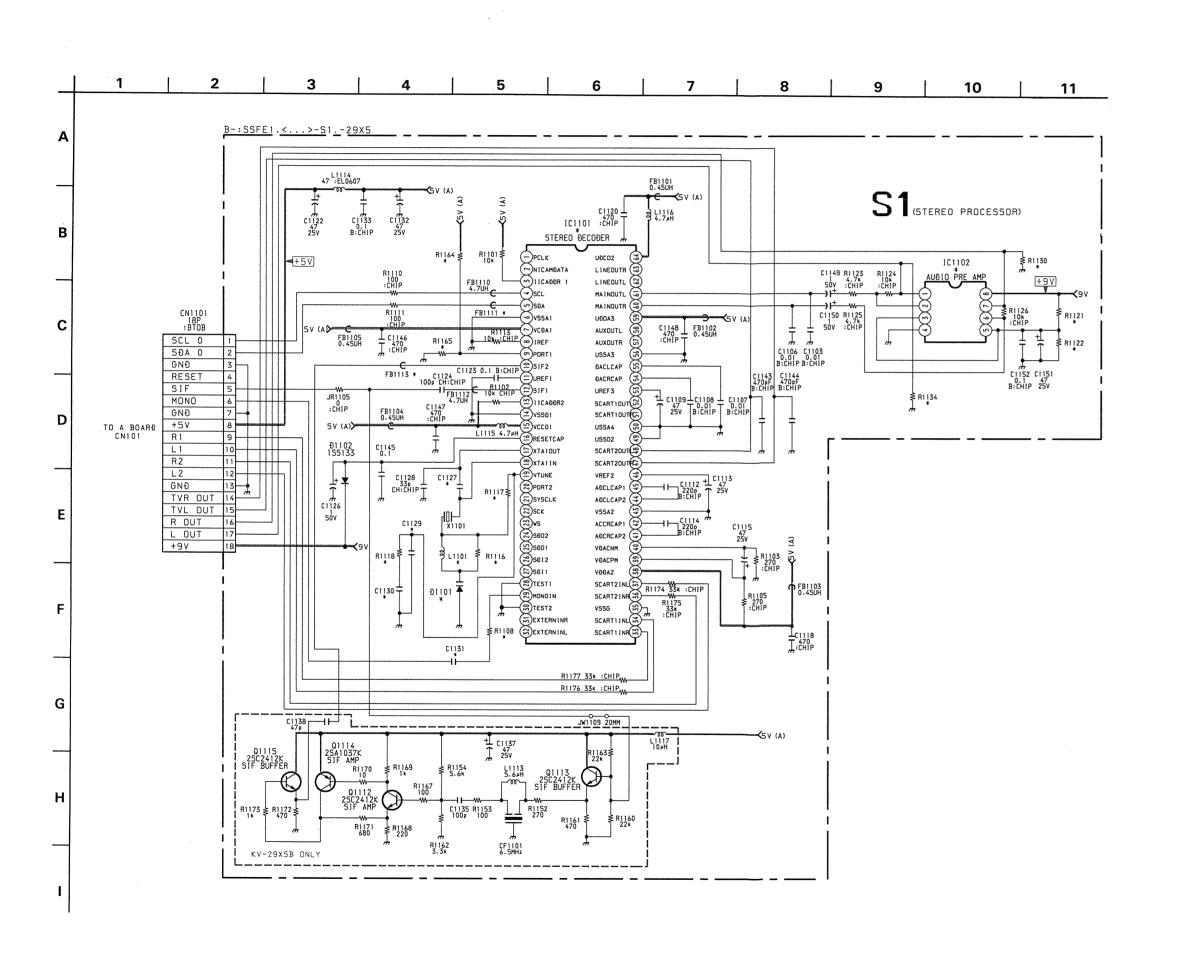
RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	*	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
AMARANA	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

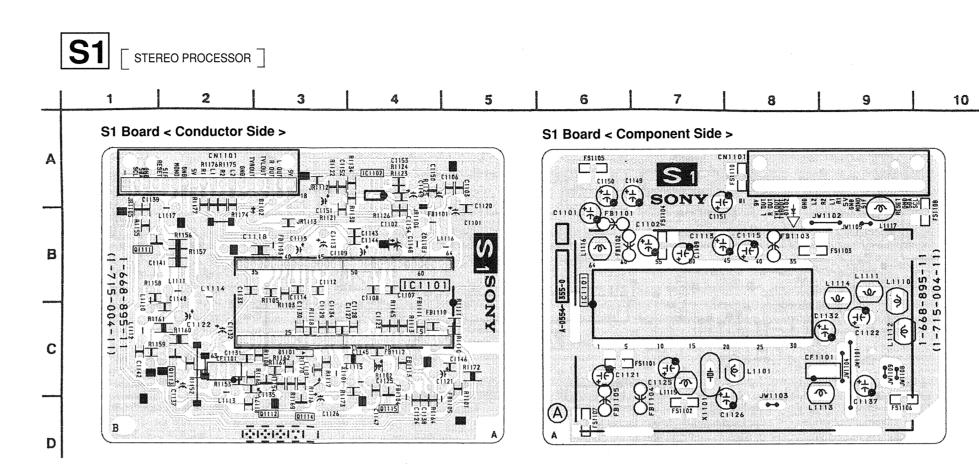
Note: The components identified by shading and marked Δ are critical for safety Replace only with the part numbers specified in the parts list.

Note: Les composants identifies par une trame e par une marque A sont d'une importance critique pour le securite. Ne les remplacer que par des pieces de numero specifie.

32

30





S1 BOARD IC VOLTAGE TABLE

-	IC Voltage Table)
Ref No	Pin No	Voltage (V)
	4	3.4
	5	3.2
	7	4.8
	8	2.3
	9	4.8
	10 - 12	2.3
	13	4.8
	15	4.8
	16	4.8
	17	2.6
IC1101	18	3.5
	19	4.0
	33 - 34	2.4
	36 - 37	2.4
	38 - 39	4.8
	41 - 42	2.4
	44 - 48	2.4
	53 - 55	2.4
	59	4.8
	60 - 61	*2.4
	64	4.8
	1	4.5
	2	4.1
	3	4.5
IC1102	6	4.3
	7	3.5
	8	9.0

S1 BOARD TRANSISTOR VOLTAGE TABLE

OLIMOL IMPLL				
Transistor Voltage Table				
Ref No	(B) Base	(C) Collector	(E) Emitter	
Q1111	2.0	4.1	1.3	
Q1112	1.5	3.5	0.9	
Q1113	1.9	4.1	1.3	
Q1114	3.5	3.3	4.1	
Q1115	3.3	4.1	2.7	

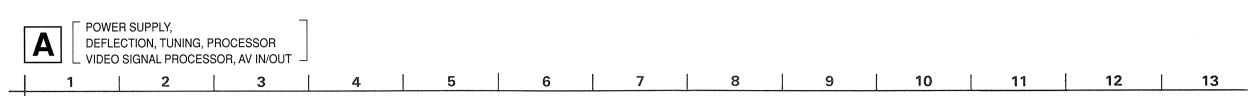
S1 BOARD * MARK

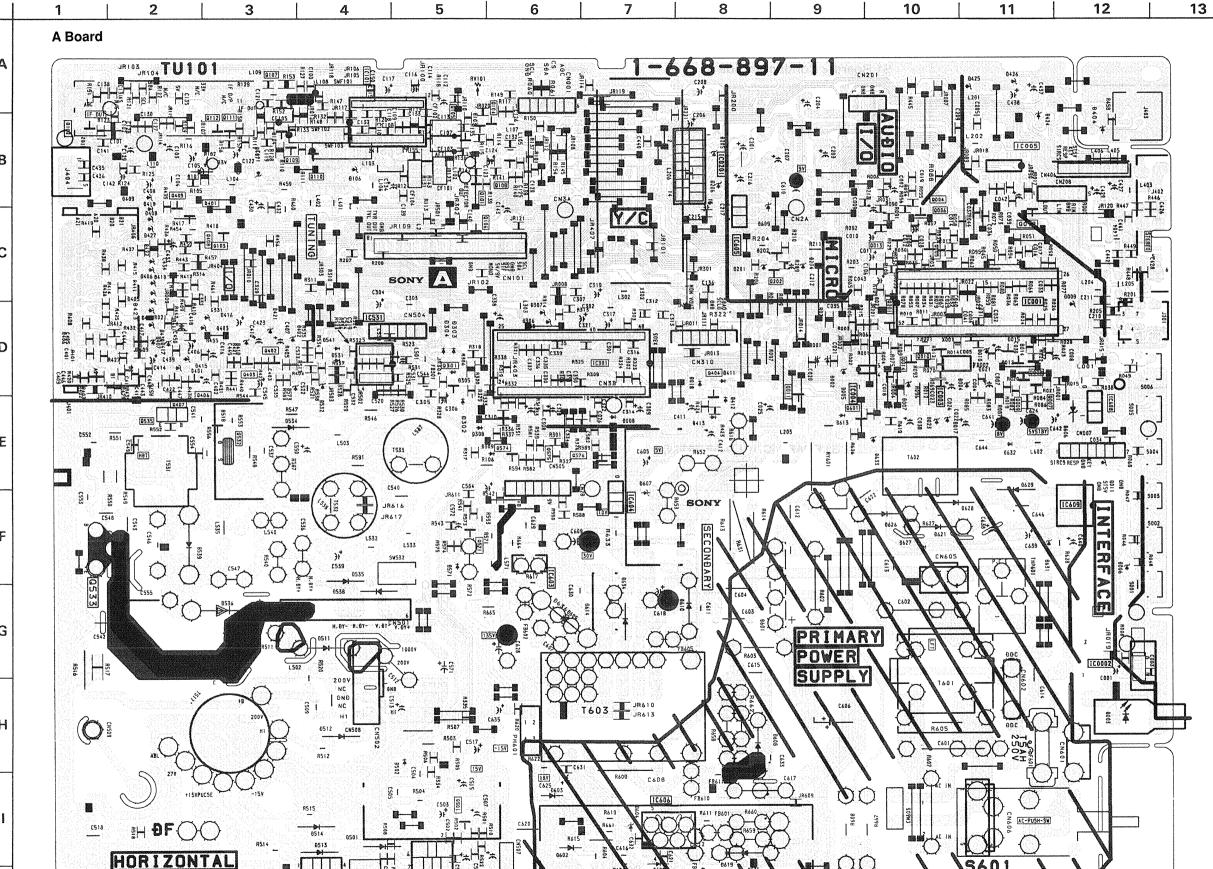
Ref	29X5A	29X5B	29X5D	29X5E	29X5K	29X5L	29X5R	29X5U
C1127	22PF	33PF	22PF	33PF	22PF	33PF	22PF	33PF
C1129	-	0.033UF	-	0.033UF	-	0.033UF	•	0.33UF
C1130	-	0.33UF	-	0.33UF	-	0.33UF	-	0.33UF
C1131	0.47UF	0.47UF	0.47UF	-	0.47UF	-	0.47UF	-
D1101	0	BB135	0	BB135	0	BB135	0	BB135
FB1111	6.8UH	4.7UH	6.8UH	4.7UH	6.8UH	4.7UH	6.8UH	4.7UH
FB1113	-	4.7UH	-	-	-	-	-	-
IC1101	TDA9870	TDA9875P	TDA9870	TDA9875P	TDA9870	TDA9875P	TDA9870	TDA9875P
IC1102	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2
L1101	-	2.7UH	-	2.7UH	-	2.7UH	-	2.7UH
R1108	2.2K	2.2K	2.2K	-	2.2K	-	2.2K	-
R1116	0	39K	0	39K	0	39K	0	39K
R1117	-	10K	-	10K	-	10K	-	10K
R1118	-	20K	-	20K	-	20K	-	20K
R1121	4.7K	10K	4.7K	10K	4.7K	10K	4.7K	10K
R1122	4.7K	10K	4.7K	10K	4.7K	10K	4.7K	10K
R1130	10K	-	10K	-	10K	-	10K	-
R1134	10K	-	10K	-	10K	-	10K	-
R1164	-	10K	-	10K	-	10K	-	10K
R1165	0	-	0	-	0	-	0	-

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A BOARD

	IC	D	IODE	D539	F - 2
IC001	C - 11	D001	D - 8	D571	F - 5
IC003	D - 10	D002	D - 8	D601	G - 8
IC004	D - 9	D004	D - 10	D602	1 - 6
IC005	B - 11	D007	D - 9	D603	H - 6
IC101	A - 4	D008	D -7	D605	G - 6
IC201	B - 7	D009	C - 11	D608	H - 8
IC301	D - 6	D010	D - 10	D610	F - 7
IC501	I - 4	D011	E - 12	D613	E - 9
IC531	C - 4	D012	D - 11	D614	G - 6
IC603	F - 6	D014	D - 11	D619	1 - 8
IC604	E - 6	D015	D - 11	D621	F - 10
IC605	C - 8	D017	E - 10	D626	F-9
IC606	1 - 7	D018	D - 7	D627	F - 9
IC608	D - 12	D023	E - 10	D628	E - 10
IC609	E - 11	D101	B - 2	D629	E - 11
TRAI	NSISTOR	D104	A - 3	D631	F - 11
Q004	B - 9	D201	C - 8	D632	E - 10
Q005	C - 10	D202	C - 8	D633	E - 9
Q006	B - 9	D204	C - 9		
Q007	D - 10	D205	B - 8		
Q008	D - 11	D206	B - 7		
Q009	D - 11	D306	C - 6		
Q010	D - 10	D307	C - 6		
Q011	D - 8	D308	E - 5		
Q012	B - 11	D309	E - 5		
Q013	B - 9	D405	C - 1		
Q101	B - 5	D406	C - 2		
Q107	A - 3	D407	D - 2		
Q109	B - 2	D409	B - 1		
Q110	B - 2	D415	D - 2		
Q111	A - 2	D417	D - 2		
Q112	A - 2	D422	C -1		
Q202	C - 8	D423	C - 1		
Q401	B - 2	D427	B - 2		
Q405	B - 2	D501	1 - 4		
Q408	B - 2	D502	H - 4		
Q501	I - 5	D511	G - 3		
Q532	E - 2	D512	H - 3		
Q533	F-1	D513	1 - 3		
Q535	D - 1	D514	1-3		
Q571	F5	D534	D - 3		
Q574	E - 5	D535	F - 4		
Q575	E - 6	D536	F - 2		
Q576	E - 6	D538	F - 4		







The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

A BOARD TRANSISTOR

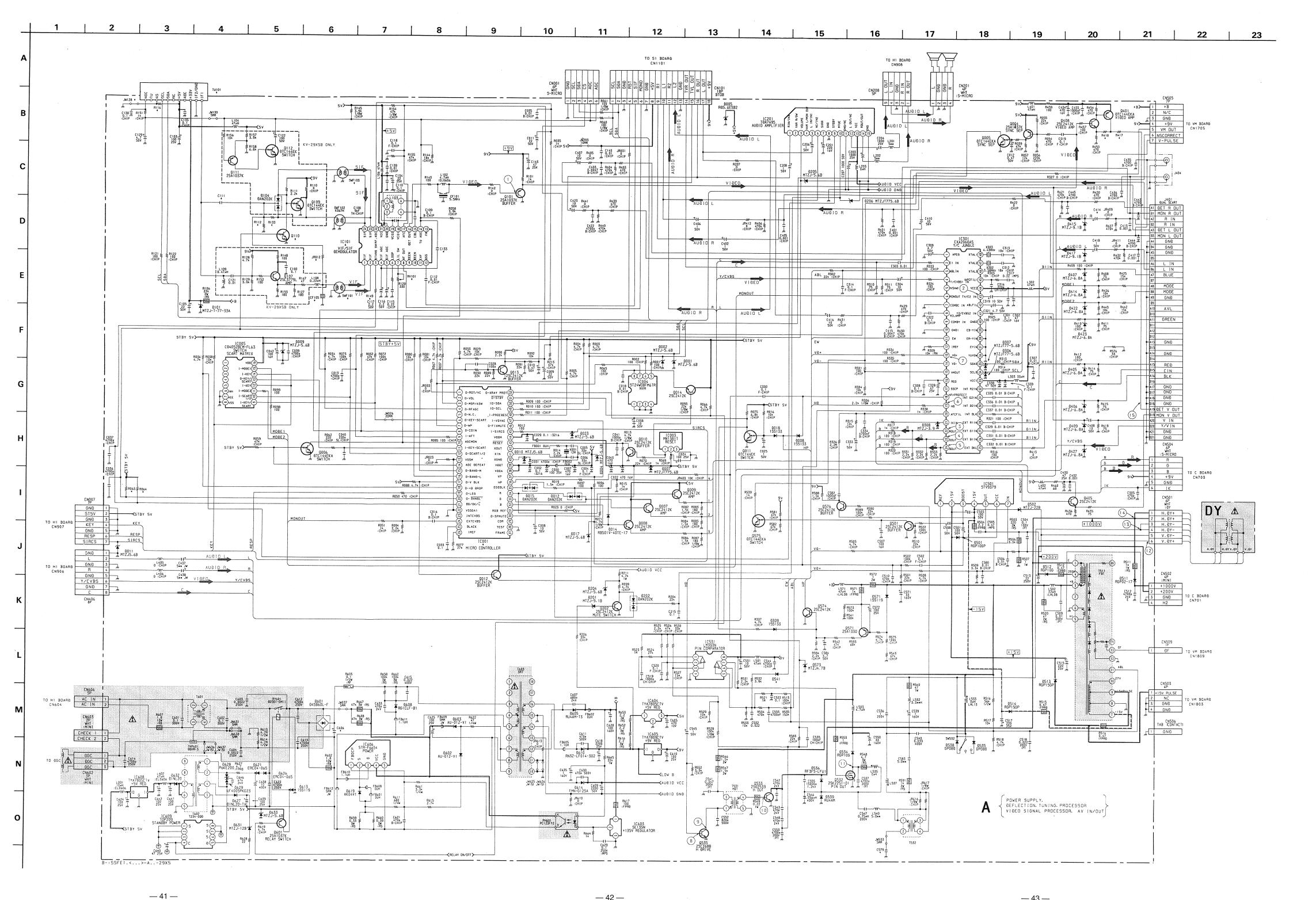
Transistor Voltage Table							
Ref No	(B) Base	(C) Collector	(E) Emitter				
Q004	4.7	0.7	4.9				
Q005	0.3	4.8	-				
Q006	-	2.0	-				
Q007	-	4.9	-				
Q008	-	4.9	-				
Q009	-	4.9	-				
Q010	0.6	-	-				
Q011	0.5	-	-				
Q012		4.8	-				
Q101	2.0	-	2.6				
Q109	-	4.7	-				
Q110	4.3	-	-				
Q111	2.3	2.9	2.9				
Q112	2.9	-	-				
Q202	0.6	-	-				
Q401	8.0	3.4	8.6				
Q405	4.4	8.8	3.7				
Q408	2.6	8.0	2.0				
Q532	7.3	3.1	-				
Q533	-0.2	-152.0	-				
Q535	-0.7	92.0	-				
Q571	134.2	-	134.4				
Q574	-	2.0	-				
Q576	3.4	6.7	2.8				
Q601	4.0	3.6	4.8				

A BOARD IC VOLTAGE TABLE

f No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
	4	0.8		1 - 2	3.2		34 - 35	3.3
	6	3.2		3	4.8		41	5.0
	7 - 8	4.8		4	3.0		42	8.6
	9	0.3		5	2.8	IC301	43	5.0
	10	2.0		6	2.7		44	8.8
	11	1.5		7	3.9		45	5.2
	12	4.7	IC101	8	2.2	1	48	1.5
	19	3.6		12	2.0		1	15.3
	20	4.3		15	1.5		5	15.3
	21	4.8		17	0.3		7	15.3
	24	2.5		18 - 19	2.6	IC201	10	4.5
	25	2.1	1	21	4.7		12	15.3
001	26	2.4	1	22	0.9		13	31.2
	30	4.8		23 - 24	3.2		14	15.3
	31	5.0		1	3.3		1	1.4
	36	0.2		2	5.0		2	14.0
- - - - - - - - - -	37	0.1		3	4.3		3	-13.0
	38 - 39	5.0		4	5.0	IC501	4	-14.0
	41 - 42	2.2		6	4.4	-	5	0.2
	44	4.8		8	4.5		6	14.5
	45	2.8		11	3.9		7	1.4
	47	0.1	1	12	2.4		1	1.6
	48	2.4	IC301	13	3.5	1	2	1.7
	49	3.3	1 .0001	14	3.4		3	1.9
	50	3.1	1	15	5.6	IC531	5	2.8
	51	0.1	1	16	7.6	1	6	2.0
	5-6	4.8	1	18	1.3	1	7	7.3
004	7	3.3	1	19	2.4	1	8	8.8
004	8	3.2	1	20	3.8	IC606	1 - 2	-60.0
	9	3.2	1	21	1.6	1	4	-51.3
	10	4.7	1	22 - 24	1.5	IC609	4	-58.0
	12	4.7	1	26 - 28	4.5			***************************************
005	13	1.5		30	4.5	1		
	14	4.7		31 - 32	4.4	1		
	16	4.7	1	33	8.1	1		

IC Voltage Table

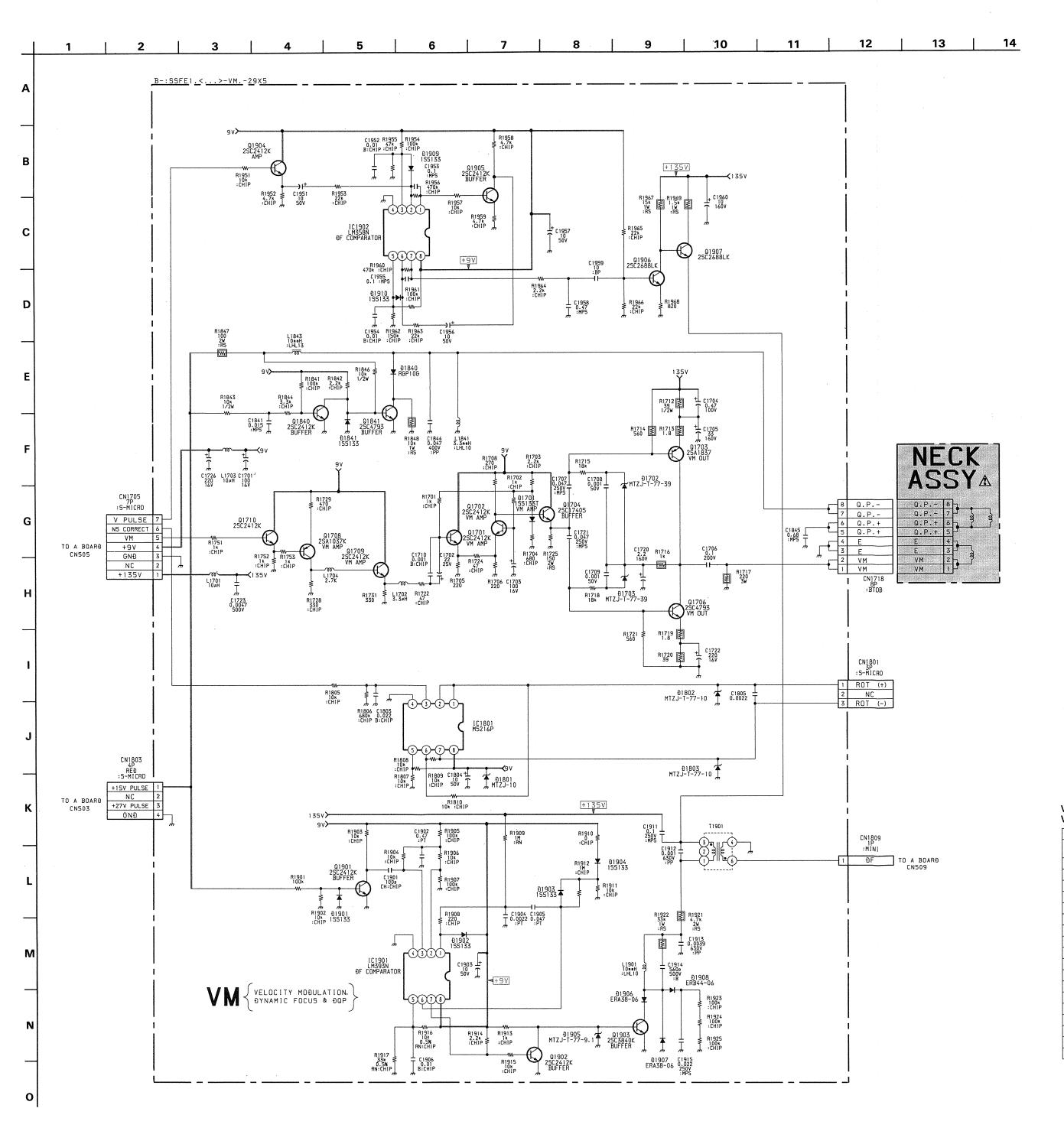
--- 39 --- --- 40 --- --- 37 ----

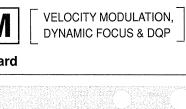


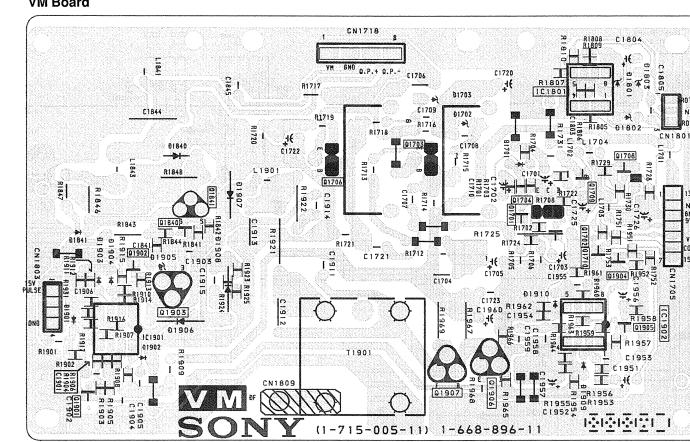
WAVEFORMS A BO	AKU			
1) PAL	1 SECAM	2 PAL	② SECAM	3
	The party of the last		Application of the state of the	
1.0 Vp-p (H)	1.3 Vp-p (H)	1.0 Vp-p (H)	1.3 Vp-p (H)	· 2.6 Vp-p (H)
4	5	6	7	8
]տու7լտու7լու		1	
2.6 Vp-p (H)	0.5 Vp-p (H)	5.0 Vp-p (H)	1.4 Vp-p (H)	2.0 Vp-p (H)
9	10	(1)	12	13
146 Vp-p (V)	12 Vp-p (H)	142 Vp-p (H)	56 Vp-p (V)	290 Vp-p (H)
14)	(15) PAL	15 SECAM		
		The state of the s		
1.1KVp-p (H)	2.4 Vp-p (H)	3.0 Vp-p (H)		

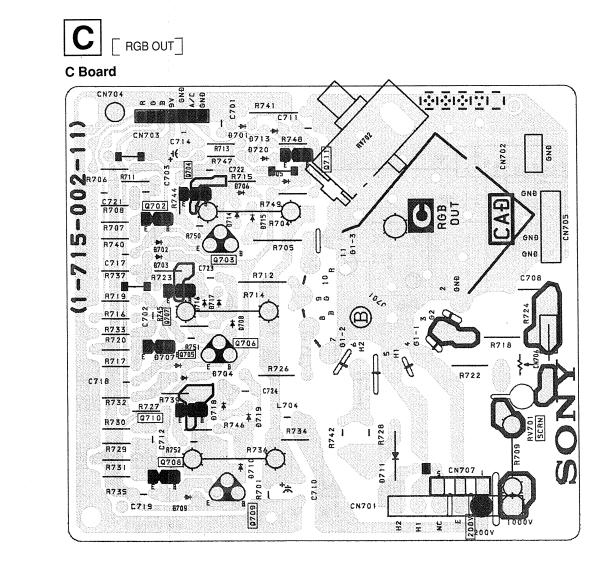
A BOARD * MARK

Ref	29X5A	29X5B	29X5D	29X5E	29X5K	29X5L	29X5R	29X5U
C111	0	01UF	0	0	0	0	0	0
C133	-	1UF	-	-	-	-	_	-
C414	1UF	0.001UF	1UF	1UF	0.001UF	1UF	1UF	1UF
C579	-	LEAD JUMPER (5.0MM)	-	-	LEAD JUMPER (5.0MM)	-	-	LEAD JUMPER (5.0MM)
C606	330UF	330UF	330UF	330UF	-	330UF	330UF	330UF
CF105	-	TRAP CERAMIC	-	-	-	-	-	TRAP CERAMIC
D541	LEAD JUMPER	-	LEAD JUMPER	LEAD JUMPER	-	LEAD JUMPER	LEAD JUMPER	-
IC001	SAA5497PS/ MIA/040	SAA5497PS/ MIA/038	SAA5497PS/ MIA/040	SAA5497PS/ MIA/038	SAA5497PS/MIA/ 038	SAA5497PS/MIA/ 038	SAA5497PS/ MIA/039	SAA5497PS/ MIA/038
IC101	TDA9817/V	TDA9818/V1	TDA9817/V	TDA9817/V	TDA9817/V1	TDA9817/V1	TDA9817/V	TDA9817/V
JR012	0	-	0	0	0	0	0	0
JW128	47K	LEAD JUMPER (5.0MM)	47K	LEAD JUMPER (5.0MM)	47K	47K	LEAD JUMPER (5.0MM)	LEAD JUMPER (5.0MM)
Q110	-	DTC144EK-T146	-	-	-	-	-	-
RO63	-	4.7K	-	-	-	-	-	-
RO64	-	4.7K	-	-	-	-	-	-
R112	-	2.2K	-	-	-	-	-	-
R116	47K	-	47K	47K	47K	47K	-	-
R133	0	-	0	0	0	0	0	0
R149	-	1K	-	-	-	-	-	-
R417	75	75	75	75	75	75	75	68
R418	470 ½W	470 ¼W	470 ½W	470 ½W	470 ¼W	470 ½W	470 ½W	470 ¼W
RV101	-	22K	-	-	-	-	*	-
SWF101	1-767-874-11	1-579-273-11	1-767-874-11	1-767-874-11	1-767-874-11	1-579-273-11	1-767-874-11	1-767-874-11
SWF103	-	FILTER, SURFACE WAVE	-	-	-	-	-	
TU101	TELE9-001A	TELE9-001A	TELE9-001A	TELE9-001A	BTP-AC411	TELE9-001A	BTP-AC402	BTP-AU602









VM BOARD IC VOLTAGE TABLE

	ic voltage lable	
Ref No	Pin No	Voltage (V)
	1 - 3	5.0
	5 - 6	4.3
IC1801	7	3.7
	8	8.0
	9	4.8
	1	1.7
	2	4.0
	3	4.5
IC1901	5	6.7
	6	6.8
	7	3.6
	8	8.0
	1 - 3	2.8
IC1902	5 - 6	5.2
	7	5.0
	8	8.0

C BOARD TRANSISTOR VOLTAGE TABLE

WAVEFORMS C BOARD

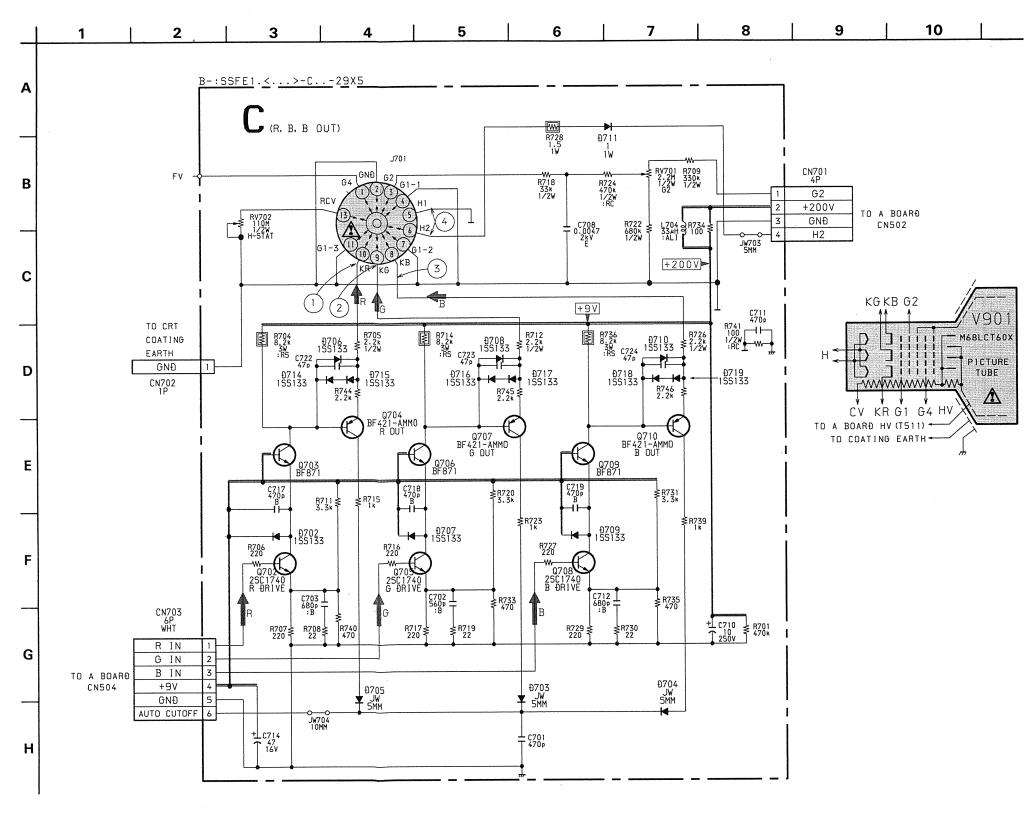
100 LM 10

4

Ref No	(B) Base	(C) Collector	(E) Emitte
Q702	1.5	8.3	1.1
Q703	8.8	169.8	8.3
Q704	169.5	1.9	209.5
Q705	1.5	8.3	1.1
Q706	8.8	170.7	8.3
Q707	170.5	1.9	215.7
Q708	1.5	8.3	1.0
Q709	8.9	171.3	8.3
Q710	171.2	1.9	206.3

RD	
2)	
_V 447	
المجمل للمجدا	
95 Vp-p (H)	
4	
\wedge \wedge $ $	
11 11 1	
24 Vp-p (H)	

--- 49 ---

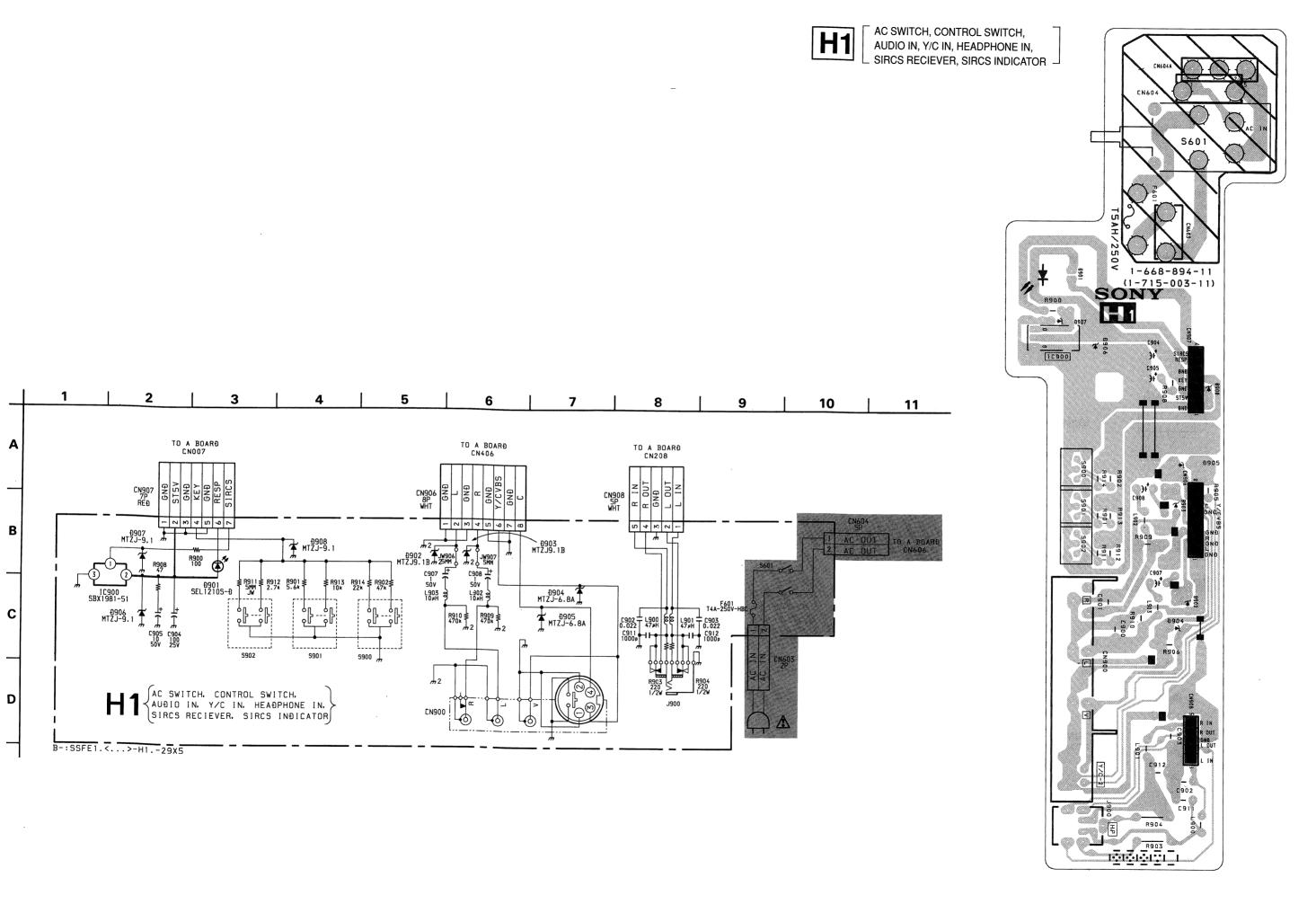


VM BOARD TRANSISTOR VOLTAGE TABLE

Tr	ansistor Volt	age Table	
Ref No			(E)
Het No	(B) Base	(C) Collector	(E) Emitter
Q1701	2.4	8.7	1.8
Q1702	2.4	6.5	1.8
Q1703	133.4	52.0	133.8
Q1704	8.7	8.5	5.8
Q1706	0.8	52.0	0.5
Q1708	5.0	2.1	5.6
Q1709	5.4	8.0	4.7
Q1710	5.6	8.0	5.0
Q1840	-0.3	4.7	-
Q1901	0.4	1.3	-
Q1902	0.4	0.3	-
Q1903	0.3	62.0	-
Q1904	-	8.0	0.1
Q1905	2.7	6.5	2.2
Q1906	4.0	68.8	3.4
Q1907	68.7	122.2	68.2
	Gate	Drain	Source
Q1841	4.7	18.0	-

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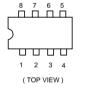
— 50 —



5-4 SEMICONDUCTORS

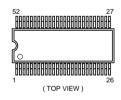
CD4052BCM 0000000 (TOP VIEW) LM358DR-EZ NJM4558M-TE2 NJM2903D





(TOP VIEW)

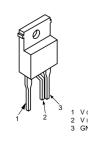
SAA5497PS/MIA/038 SAA5497PS/MIA/039 SAA5497PS/MIA040



SBX1981-51



SE-135N SE135N-LF12



STR-F6654

STV9379

ST24W08FM6TR

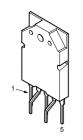
(TOP VIEW)

TDA7495

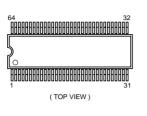
TDA9818-V1

TDA9817-V1

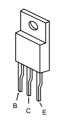
888888888888 (TOP VIEW)



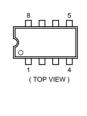
TDA9875 TDA9870



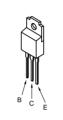
2SA1837



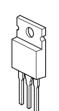
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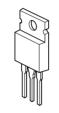
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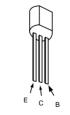
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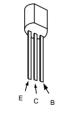
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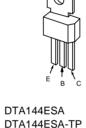


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2SA1091-O



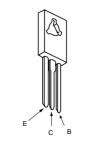


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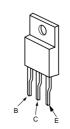
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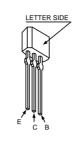
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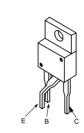
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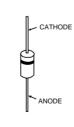


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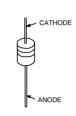
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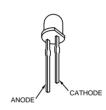




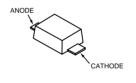
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SEL12108-D



UF4005PK623



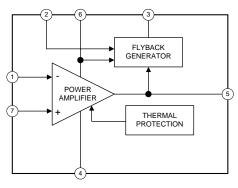




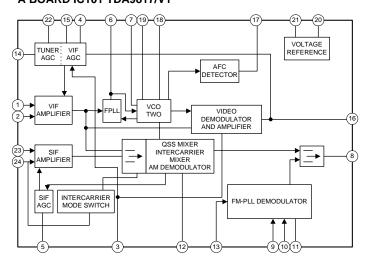
53 54

5-5. IC BLOCK DIAGRAMS

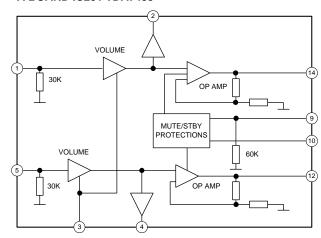
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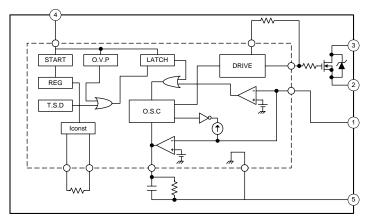
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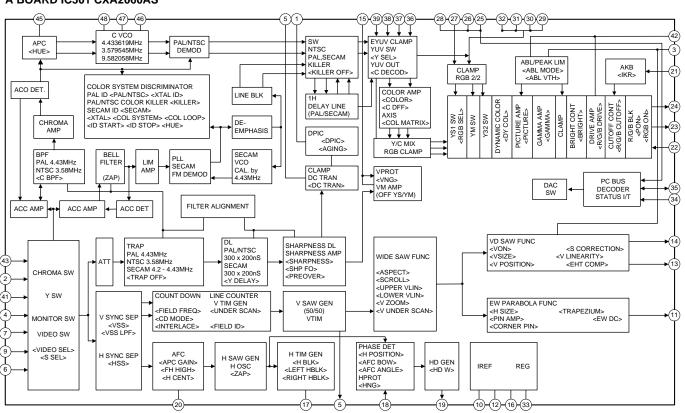
A BOARD IC201 TDA7495



A BOARD IC606 STR-F6654



A BOARD IC301 CXA2060AS



SECTION 6 EXPLODED VIEWS

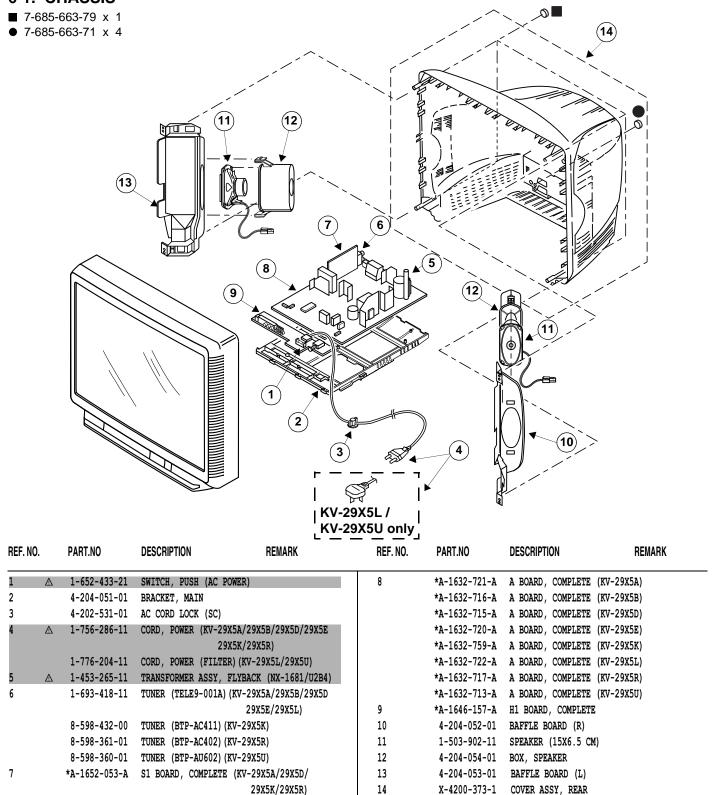
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. lote: Les composants indentifies par une trame et par une marque ∆ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie,

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

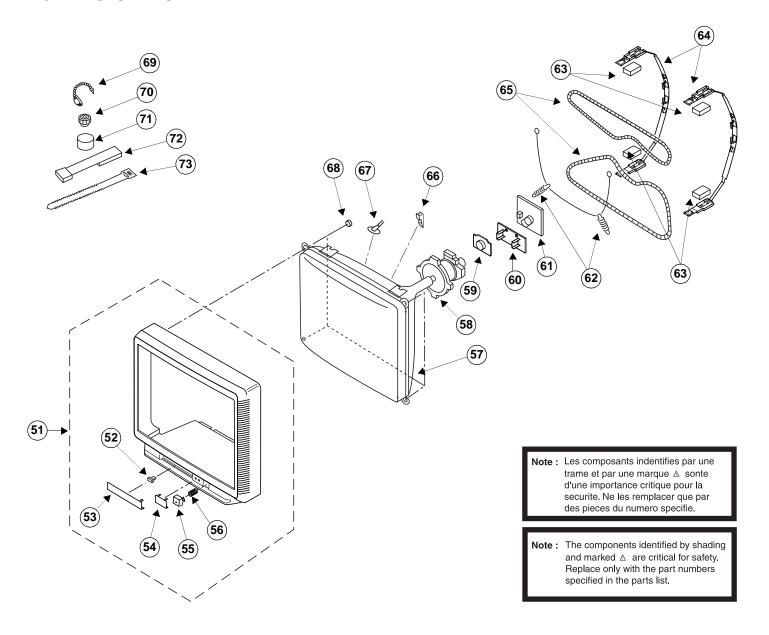
6-1. CHASSIS



*A-1652-056-A S1 BOARD, COMPLETE (KV-29X5B)

*A-1652-052-A S1 BOARD, COMPLETE (KV-29X5E/29X5L/29X5U)

6-2. PICTURE TUBE



REF. NO.	PART.NO	DESCRIPTION F	REMARK REF. NO.	PART.NO	DESCRIPTION	REMARK
51	X-4200-372-1	BEZNET ASSY (BLACK) 52	2-56 62	4-200-433	-11 SPRING, EXTENSION	
	X-4200-372-3	BEZNET ASSY (GREY)	63	4-203-390	-11 CUSHION, DGC	
52	4-047-464-01	CATCHER, PUSH	64	4-202-749	-01 HOLDER, DGC (29")	
53	4-204-050-01	DOOR, CONTROL (PAINTED) (BL	ACK) 65	△ 1-406-807	-11 COIL, DEMAGNETIZATIO	N
	4-204-050-21	DOOR, CONTROL (PAINTED) (GRE	EY) 66	3-704-495	-01 SPACER, DY	
54	4-204-047-01	WINDOW, ORNAMENTAL	67	△ 1-251-317	-31 CAP ASSY, HIGH VOLTA	GE
55	4-204-049-01	BUTTON, POWER	68	4-203-043	-01 SCREW (PT)	
56	4-202-964-01	SPRING	69	4-308-870	-00 CLIP, LEAD WIRE	
57 △	8-733-856-05	PICTURE TUBE (SD-269) (M681	LCT60X) 70	1-452-094	-00 MAGNET, ROTATABLE DI	SK; 15MM Ø
58 △	8-451-467-12	DEFLECTION YOKE (Y29GXA2B)	71	1-425-032	-00 MAGNET, DISK; 10MM Ø	
59 △	8-453-005-21	NECK ASSY (NA297 - M2)	72	X-4387-21	4-1 PERMALLOY ASSY, CORR	ECTION
60	*A-1644-088-A	VM BOARD, COMPLETE	73	3-701-007	-00 BAND, BINDING	
61	*A-1638-111-A	C BOARD COMPLETE				

SECTION 7 ELECTRICAL PARTS LIST

When indicating parts by reference number, please include the board name.

CAPACITORS MF: mF, PF: mmF COILS MMH: mH, uH Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- RESISTORS
- All resistors are in ohms.
- F: nonflammable.

Note: Les composants indentifies par une trame et par une marque ∆ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.



C103 1-104-665-11 ELECT 100MF 20% 25V 4-382-854-11 SCREW (M3X10), P, SW (+) C105 1-126-965-11 ELECT 22MF 20% 50V C108 1-163-465-11 CERAMIC CHIP 9PF 0.25PF 50V C109 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C004 1-163-038-00 CERAMIC CHIP 0.1MF 25V C005 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C100 1-163-038-00 CERAMIC CHIP 33PF 5% 50V C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C007 1-126-935-11 ELECT 470MF 20% 16V C008 1-126-964-11 ELECT 10MF 20% 50V C009 1-126-965-11 ELECT 22MF 20% 50V C010 1-126-959-11 ELECT 0.47MF 20% 50V C111 1-163-031-11 CERAMIC CHIP 0.01MF 50V (KV C009 1-126-965-11 ELECT 22MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C011 1-126-965-11 ELECT 22MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.2MF 10% 16V C011 1-126-959-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
A-1632-715-A A BOARD COMPLETE (KV-29X5D) **********************************	

*A-1632-715-A A BOARD COMPLETE (KV-29X5E) **A-1632-720-A BOARD COMPLETE (KV-29X5E) **A-1632-759-A A BOARD COMPLETE (KV-29X5E) **A-1632-759-A A BOARD COMPLETE (KV-29X5K) **A-1632-712-A A BOARD COMPLETE (KV-29X5L) **A-1632-717-A A BOARD COMPLETE (KV-29X5K) ***********************************	

*A-1632-759-A A BOARD COMPLETE (KV-29X5K) **A-1632-759-A A BOARD COMPLETE (KV-29X5L) **A-1632-722-A A BOARD COMPLETE (KV-29X5L) **A-1632-717-A A BOARD COMPLETE (KV-29X5R) **A-1632-717-A A BOARD COMPLETE (KV-29X5R) **A-1632-717-A A BOARD COMPLETE (KV-29X5R) **A-1632-713-A A BOARD COMPLETE (KV-29X5U) **A-1632-713-A A BOARD COMPLETE (KV-29X5U) **A-1632-713-A A BOARD COMPLETE (KV-29X5U) ***********************************	

*A-1632-722-A A BOARD COMPLETE (KV-29X5L) ****************** *A-1632-717-A A BOARD COMPLETE (KV-29X5R) ******************* *A-1632-713-A A BOARD COMPLETE (KV-29X5U) **************** *A-1632-713-A A BOARD COMPLETE (KV-29X5U) ************** *A-1632-713-A A BOARD COMPLETE (KV-29X5U) ************ *C042 1-126-935-11 ELECT 100MF 20% 16V ************ *C100 1-163-038-00 CERAMIC CHIP 0.1MF 20% 25V (RC) ************ *C100 1-163-0465-11 ELECT 100MF 20% 25V (RC) ************* *C100 1-163-0465-11 ELECT 2MF 20% 50V *C004 1-163-038-00 CERAMIC CHIP 0.1MF 25V *C005 1-163-105-00 CERAMIC CHIP 0.1MF 25V *C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V *C007 1-126-935-11 ELECT 470MF 20% 16V *C008 1-126-965-11 ELECT 470MF 20% 16V *C008 1-126-965-11 ELECT 10MF 20% 50V *C009 1-126-965-11 ELECT 2MF 20% 50V *C009 1-126-965-11 ELECT 2MF 20% 50V *C112 1-163-031-11 CERAMIC CHIP 0.1MF 50V *C011 1-126-965-11 ELECT 2MF 20% 50V *C112 1-163-031-11 CERAMIC CHIP 0.1MF 50V *C011 1-126-965-11 ELECT 2MF 20% 50V *C112 1-164-409-11 CERAMIC CHIP 0.1MF 50V *C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V *C116 1-126-965-11 ELECT 2.2MF 20% 50V *C117 1-126-965-11 ELECT 2.2MF 20% 50V *C118 1-163-038-00 CERAMIC CHIP 0.1MF 20% 50V *C119 1-163-038-00 CERAMIC CHIP 0.1MF 50V **C010 1-126-965-11 ELECT 2.2MF 20% 50V **C111 1-126-965-11 ELECT 2.2MF 20% 50V **C112 1-163-031-00 CERAMIC CHIP 0.1MF 50V **C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V **C114 1-163-038-00 CERAMIC CHIP 0.1MF 20% 50V **C115 1-164-409-11 CERAMIC CHIP 0.1MF 20% 50V **C116 1-126-965-11 ELECT 2.2MF 20% 50V **C117 1-126-965-11 ELECT 2.2MF 20% 50V **C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V **C019 1-163-038-00 CERAMIC CHIP 0.1MF 20% 50V **C118 1-163-038-00 CERAMIC CHIP 0.1MF 20% 50V **C119 1-163-038-00 CERAMIC CHIP 0.1	
******************** *A-1632-717-A A BOARD COMPLETE (KV-29X5R) ***********************************	

*A-1632-713-A A BOARD COMPLETE (KV-29X5U) ***********************************	
C103 1-104-665-11 ELECT 100MF 20% 25V 4-382-854-11 SCREW (M3X10), P, SW (+) C105 1-126-965-11 ELECT 22MF 20% 50V C108 1-163-038-00 CERAMIC CHIP 0.1MF 25V C109 1-164-004-11 CERAMIC CHIP 0.1MF 25V C1005 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C1006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C007 1-126-935-11 ELECT 470MF 20% 16V C008 1-126-964-11 ELECT 10MF 20% 50V C009 1-126-965-11 ELECT 22MF 20% 50V C110 1-163-038-00 CERAMIC CHIP 0.1MF 25V C007 1-126-965-11 ELECT 470MF 20% 16V C008 1-126-965-11 ELECT 10MF 20% 50V C009 1-126-965-11 ELECT 22MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C115 1-164-489-11 CERAMIC CHIP 0.2MF 10% 16V C116 1-126-961-11 ELECT 2.2MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V C119 1-163-038-00 CERAMIC CHIP 0.01MF 50V C110 1-126-961-11 ELECT 2.2MF 20% 50V C111 1-126-961-11 ELECT 2.2MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C113 1-164-489-11 CERAMIC CHIP 0.01MF 20% 50V C114 1-126-961-11 ELECT 2.2MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.01MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C103 1-104-665-11 ELECT 100MF 20% 25V 4-382-854-11 SCREW (M3X10), P, SW (+) C105 1-126-965-11 ELECT 22MF 20% 50V C108 1-163-045-11 CERAMIC CHIP 9PF 0.25PF 50V C109 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C004 1-163-038-00 CERAMIC CHIP 0.1MF 25V C005 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C100 1-163-038-00 CERAMIC CHIP 33PF 5% 50V C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C007 1-126-935-11 ELECT 470MF 20% 16V C008 1-126-964-11 ELECT 10MF 20% 50V C009 1-126-965-11 ELECT 22MF 20% 50V C010 1-126-959-11 ELECT 0.47MF 20% 50V C111 1-163-031-11 CERAMIC CHIP 0.01MF 50V (KV C009 1-126-965-11 ELECT 22MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C011 1-126-965-11 ELECT 22MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.2MF 10% 16V C011 1-126-959-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	(V-29X5B)
C105 1-126-965-11 ELECT 22MF 20% 50V C108 1-163-038-00 CERAMIC CHIP 0.1MF 25V C109 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C105 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C110 1-163-038-00 CERAMIC CHIP 0.1MF 25V C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C111 1-216-296-00 SHORT 0 (KV-29X5A/29X5D/29X5E/C007 1-126-935-11 ELECT 470MF 20% 16V 1-163-059-00 CERAMIC CHIP 0.01MF 50V C008 1-126-964-11 ELECT 10MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C010 1-126-959-11 ELECT 22MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.01MF 50V C011 1-126-965-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	·
C105 1-126-965-11 ELECT 22MF 20% 50V C108 1-163-038-00 CERAMIC CHIP 0.1MF 25V C109 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C105 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C110 1-163-038-00 CERAMIC CHIP 0.1MF 25V C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C111 1-216-296-00 SHORT 0 (KV-29X5A/29X5D/29X5E/C007 1-126-935-11 ELECT 470MF 20% 16V 1-163-059-00 CERAMIC CHIP 0.01MF 50V C008 1-126-964-11 ELECT 10MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C010 1-126-959-11 ELECT 22MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.01MF 50V C011 1-126-965-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C109 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C004 1-163-038-00 CERAMIC CHIP 0.1MF 25V C005 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C007 1-126-935-11 ELECT 470MF 20% 16V C008 1-126-964-11 ELECT 10MF 20% 50V C009 1-126-965-11 ELECT 22MF 20% 50V C010 1-126-959-11 ELECT 0.47MF 20% 50V C011 1-126-965-11 ELECT 22MF 20% 50V C011 1-126-965-11 ELECT 22MF 20% 50V C012 1-126-959-11 ELECT 0.47MF 20% 50V C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C004 1-163-038-00 CERAMIC CHIP 0.1MF 25V C110 1-163-038-00 CERAMIC CHIP 0.1MF 25V C005 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C111 1-216-296-00 SHORT 0 (KV-29X5A/29X5D/29X5E C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C007 1-126-935-11 ELECT 470MF 20% 16V 1-163-059-00 CERAMIC CHIP 0.01MF 50V C008 1-126-964-11 ELECT 10MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C010 1-126-959-11 ELECT 0.47MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.2MF 10% 16V C011 1-126-965-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C005 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C111 1-216-296-00 SHORT 0 (KV-29X5A/29X5D/29X5E C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V KV-29X5L/29X5R/29X5U C007 1-126-935-11 ELECT 470MF 20% 16V 1-163-059-00 CERAMIC CHIP 0.01MF 50V (KV-20X5A/29X5D/29X5E C008 1-126-964-11 ELECT 10MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C010 1-126-959-11 ELECT 0.47MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C011 1-126-965-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C012 1-126-959-11 ELECT 0.47MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C006 1-163-105-00 CERAMIC CHIP 33PF 5% 50V C007 1-126-935-11 ELECT 470MF 20% 16V C008 1-126-964-11 ELECT 10MF 20% 50V C009 1-126-965-11 ELECT 22MF 20% 50V C010 1-126-959-11 ELECT 0.47MF 20% 50V C011 1-126-965-11 ELECT 22MF 20% 50V C012 1-126-959-11 ELECT 22MF 20% 50V C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C014 1-163-038-00 CERAMIC CHIP 0.1MF 20% 50V C015 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C007 1-126-935-11 ELECT 470MF 20% 50V C008 1-126-964-11 ELECT 10MF 20% 50V C009 1-126-965-11 ELECT 22MF 20% 50V C010 1-126-959-11 ELECT 0.47MF 20% 50V C011 1-126-959-11 ELECT 22MF 20% 50V C012 1-126-959-11 ELECT 22MF 20% 50V C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C014 C015 1-126-961-11 ELECT 2.2MF 20% 50V C016 1-126-961-11 ELECT 2.2MF 20% 50V C017 1-126-961-11 ELECT 2.2MF 20% 50V C018 1-163-038-00 CERAMIC CHIP 0.1MF 25V	1/29X5K/
C008 1-126-964-11 ELECT 10MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C010 1-126-959-11 ELECT 0.47MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C011 1-126-965-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C012 1-126-959-11 ELECT 0.47MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	J)
C009 1-126-965-11 ELECT 22MF 20% 50V C112 1-163-031-11 CERAMIC CHIP 0.01MF 50V C110 1-126-959-11 ELECT 0.47MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C011 1-126-965-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C112 1-126-961-11 ELECT 2.2MF 20% 50V C113 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C010 1-126-959-11 ELECT 0.47MF 20% 50V C115 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C011 1-126-965-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C012 1-126-959-11 ELECT 0.47MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	7-29X5B)
C011 1-126-965-11 ELECT 22MF 20% 50V C116 1-126-961-11 ELECT 2.2MF 20% 50V C012 1-126-959-11 ELECT 0.47MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C113 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C012 1-126-959-11 ELECT 0.47MF 20% 50V C117 1-126-961-11 ELECT 2.2MF 20% 50V C113 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C013 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C118 1-163-038-00 CERAMIC CHIP 0.1MF 25V	
C016 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C121 1-163-031-11 CERAMIC CHIP 0.01MF 50V	
·	7-29X5B)
C019 1-163-038-00 CERAMIC CHIP 0.1MF 25V C122 1-104-665-11 ELECT 100MF 20% 25V	
·	7-29X5B)
C024 1-104-665-11 ELECT 100MF 20% 25V C129 1-126-963-11 ELECT 4.7MF 20% 50V	
C025 1-126-960-11 ELECT 1MF 20% 50V C133 1-162-638-11 CERAMIC CHIP 1MF 16V	
	7-29X5B)
C029 1-163-077-00 CERAMIC CHIP 0.1MF 10% 25V C134 1-128-551-11 ELECT 22MF 20% 25V	
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REF. NO.	PART.NO	DESCRIPTI	ON	I	REMARK	REF. NO.	PART.NO	DESCRIPTION	ON	R	EMARK
C135	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C410	1-126-964-11	ELECT	10MF	20%	50V
C138	1-165-319-11	CERAMIC CHIP	0.1MF		50V	C413	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C139	1-163-031-11	CERAMIC CHIP	0.01MF		50V	C414	1-126-960-11	ELECT	1MF	20%	50V
C140	1-163-031-11	CERAMIC CHIP	0.01MF		50V			(1	KV-29X5A/29X	SD/29X5	E/29X5L/29X5R)
C143	1-104-664-11	ELECT	47MF	20%	25V		1-163-141-00	ELECT	0.001MF	20%	50V
								(1	KV-29X5B/29X	5K/29X5	U)
C201	1-104-666-11	ELECT	220MF	20%	25V						
C203	1-126-942-61	ELECT	1000MF	20%	25V	C415	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C204	1-126-942-61	ELECT	1000MF	20%	25V	C416	1-126-964-11	ELECT	10MF	20%	50V
C206	1-126-960-11	ELECT	1MF	20%	50V	C417	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C207	1-126-972-11	ELECT	1000MF	20%	50V	C418	1-126-960-11	ELECT	1MF	20%	50V
						C422	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C208	1-126-960-11	ELECT	1MF	20%	50V				4.4	•••	
C215	1-164-004-11	CERAMIC CHIP		10%	25V	C423	1-126-964-11	ELECT	10MF	20%	50V
C301	1-163-038-00	CERAMIC CHIP		000	25V	C430	1-104-664-11	ELECT	47MF	20%	25V
C302	1-126-967-11	ELECT	47MF	20%	16V	C432	1-163-141-00	CERAMIC CHIP		5% 5°	50V
C303	1-101-004-00	CERAMIC	0.01MF		50V	C433	1-163-141-00	CERAMIC CHIP		5%	50V
C304	1-126-964-11	ELECT	10MF	20%	50V	C434	1-126-935-11	ELECT	470MF	20%	16V
C304 C305	1-120-904-11	CERAMIC CHIP		20% 10%	50V	C435	1-163-017-00	CERAMIC CHIP	0 0047ME	10%	50V
C307	1-163-003-11	CERAMIC CHIP		10%	50V	C435	1-163-017-00	CERAMIC CHIP		10%	50V
C307	1-164-232-11	CERAMIC CHIP		10%	25V	C437	1-535-465-11	LEAD, JUMPER		100	307
C309	1-126-963-11	ELECT	4.7MF	20%	50V	C438	1-535-465-11	LEAD, JUMPER			
0303	1 120 703 11	22201	2.722		301	C443	1-163-017-00	CERAMIC CHIP	-	10%	50V
C312	1-163-099-00	CERAMIC CHIP	18PF	5%	50V	0110		V=11=11 VIII-1		-**	
C313	1-163-099-00	CERAMIC CHIP		5%	50V	C444	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C314	1-163-038-00	CERAMIC CHIP	0.1MF		25V	C445	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C316	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C501	1-126-968-11	ELECT	100MF	20%	50V
C317	1-136-169-00	FILM	0.22MF	5%	50V	C502	1-163-038-00	CERAMIC CHIP	0.1MF		25V
						C503	1-126-968-11	ELECT	100MF	20%	50V
C319	1-126-964-11	ELECT	10MF	20%	50V						
C321	1-126-963-11	ELECT	4.7MF	20%	50V	C504	1-106-220-00	MYLAR	0.1MF	10%	100V
C322	1-164-004-11	CERAMIC CHIP		10%	25V	C505	1-136-173-00	FILM	0.47MF	5%	50V
C328	1-104-664-11		47MF	20%	25V	C506	1-164-232-11			10%	50V
C329	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C507	1-126-933-11		100MF	20%	16V
~~~	1 100 000 00		A 41.00		0.5	C508	1-126-960-11	ELECT	1MF	20%	50V
C330	1-163-038-00			100	25V	arno.	1 107 264 11	10/130	0.0110	100	000**
C331	1-164-232-11			10%	50V	C509	1-107-364-11		0.01MF	10%	200V
C332	1-164-232-11			10%	50V	C510	1-163-133-00			5%	50V
C333 C334	1-126-960-91 1-163-017-91		1MF	20% 10%	50V 50V	C512 C513	1-162-114-00 1-107-662-11		0.0047MF 22MF	20%	2KV 250V
6334	1-103-017-91	CERMIC CHIP	4700FF	10%	301	C515	1-107-662-11		22MF	20%	25V
C335	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	0313	1 104 000 11		LLVIII	200	257
C336	1-164-232-11			10%	50V	C517	1-104-666-11	ELECT	220MF	20%	25V
C337	1-164-232-11			10%	50V	C518	1-106-375-12		0.022MF	99%	200V
C338	1-126-967-11		47MF	20%	50V	C519	1-163-275-11			5%	50V
C339	1-163-038-00	CERAMIC CHIP	0.1MF		25V	C520	1-163-038-00				25V
						C522	1-137-399-11	FILM	0.1MF	5%	50V
C401	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V						
C402	1-126-960-11		1MF	20%	50V	C531	1-126-964-11		10MF	20%	50V
C403	1-163-017-00			10%	50V	C532	1-163-037-11			10%	50V
C405	1-163-141-00			5%	50V	C533	1-163-017-91			10%	50V
C406	1-126-960-11	ELECT	1MF	20%	50V	C535	1-163-251-11			5% ••	50V
- 4 A =	4 404 444 4		1.01-	000		C536	1-117-671-11	FILM	1MF	5%	200V
C407	1-126-964-11		10MF	20%	50V	0527	1 127 417 11	MVI 3D	0 004745	100	20077
C408	1-126-964-11	ELECT	10MF	20%	50V	C537	1-137-417-11	MYLAK	0.0047MF	10%	200V



REF. NO.	PART.NO	DESCRIPTI	ON		REMARK	REF. NO.	PART.NO	DESC	RIPTION		REMARK
C539	1-111-230-91	ELECT	1MF	20%	160V	C635	1-107-675-11	ELECT	1MF	20%	160V
C540	1-137-051-91		0.033MF	10%	400V	C638	1-107-670-11		10MF	20%	400V
C541	1-106-383-00		0.047MF	10%	200V	C639	1-104-665-11		100MF	20%	25V
C542	1-162-134-11		470PF	10%	2KV	C640	1-104-664-11		47MF	20%	25V
C543	1-162-134-11		470PF	10%	2KV						
						C641	1-104-665-11	ELECT	100MF	20%	25V
C544	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C642	1-104-665-11		100MF	20%	25V
C545	1-126-960-11	ELECT	1MF	20%	50V	C646	1-107-974-11	CERAMIC	47PF	5%	2KV
C546	1-130-895-51	FILM	0.056MF	5%	400V						
C547	1-117-813-11	FILM	0.75MF	5%	200V		< FIL	TER >			
C548	1-162-134-11	CERAMIC	470PF	10%	2KV						
						CF101	1-404-134-00	TRAP, CE	RAMIC (5.5MHZ	)	
C550	1-107-638-11	ELECT	33MF	20%	160V	CF105	1-760-154-11	TRAP, CE	RAMIC (KV-29X	5B/29X5U)	
C552	1-102-212-00	CERAMIC	820PF	10%	500V						
C553	1-137-417-11	MYLAR	0.0047MF	10%	200V	SWF101	1-767-874-11	FILTER,	SURFACE WAVE	(KV-29X5	A/29X5D/
C555	1-117-648-11	FILM	15000PF	3%	1.2KV					KV-29X5	E/29X5K/29X5F
C571	1-123-024-21	ELECT	33MF		160V					KV-29X5	U)
							1-579-273-11	FILTER,	SURFACE WAVE	(KV-29X5	B/29X5L)
C572	1-104-665-11	ELECT	100MF	20%	25V	SWF102	1-767-873-11	FILTER,	SURFACE WAVE		
C579	1-535-465-11	LEAD, JUMPER	(5.0MM)	20%	25V	SWF103	1-760-722-11			(KV-29XB	)
		•		(KV-29X5	B/29X5K/29X5U)						
C580	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V		< CON	NECTOR >			
C582	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V						
						CN001	*1-564-508-11	PLUG, CO	NNECTOR 5P		
C583	1-535-303-00	LEAD, JUMPER	(5.0MM)			CN007	*1-564-510-11	PLUG, CO	NNECTOR 7P		
C584	1-126-963-11	ELECT	4.7MF	20%	50V	CN101	1-766-922-11	CONNECTO	R, BOARD TO B	OARD 18P	
C601 △	1-107-563-11	FILM	0.1MF	20%	300V	CN201	*1-564-507-11	PLUG, CO	NNECTOR 4P		
C602	1-107-563-11	FILM	0.1MF	20%	300V	CN208	*1-564-508-11	PLUG, CO	NNECTOR 5P		
C603 △	1-117-700-51	CERAMIC	0.0022MF	99%	250V						
						CN406	1-564-511-11	PLUG, CO	NNECTOR 8P		
C604 △	1-117-700-51	CERAMIC	0.0022MF	99%	250V	CN501	*1-580-798-11	CONNECTO	R PIN (DY) 6P		
C605	1-104-652-11	ELECT	470MF	20%	10V	CN502	*1-691-135-11	PIN, CON	NECTOR (PC BO	ARD) 4P	
C606	1-125-555-11	ELECT (BLOCK)	330MF	20%	400V	CN503	*1-564-507-11	PLUG, CO	NNECTOR 4P		
			(KV-29)	K5A/29X5	B/29X5D/29X5E/	CN504	*1-564-509-11	PLUG, CO	NNECTOR 6P		
			KV-292	K5L/29X5	R/29X5U)						
						CN505	*1-568-882-51	PIN, CON	NECTOR 7P		
C607	1-125-787-51	CERAMIC	680PF	10%	2KV	CN506	1-695-915-11	TAB (CON	TACT)		
C609	1-107-915-11	ELECT	2200MF	20%	50V	CN509	*1-508-784-00	PIN, CON	NECTOR (5MM P	ITCH) 1P	
C610	1-104-665-11	ELECT	100MF	20%	25V	CN602	△ 1-508-765-00	PIN, CON	NECTOR (5MM P	ITCH) 3P	
C611	1-165-127-11		470PF	10%	500V	CN603	△ 1-508-786-00	PIN, CON	NECTOR (5MM P	ITCH) 2P	
C612 △	1-161-964-51	CERAMIC	0.0047MF		250V						
						CN606	<b>↑</b> *1-691-291-11	PIN, CON	NECTOR (PC BO	ARD) 5P	
	1-161-964-51		0.0047MF		250V						
C614 △	1-161-964-51		0.0047MF		250V		< DIO	DE >			
C615	1-130-202-00		0.022MF	10%	400V						
C618	1-107-890-11	ELECT	2200MF	20%	25V	D001	8-719-109-89	DIODE RD	5.6ESB2		
C621	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	D002	8-719-109-89	DIODE RD	5.6ESB2		
						D004	8-719-109-89	DIODE RD	5.6ESB2		
C622 △	1-161-964-51	CERAMIC	0.0047MF		250V	D005	8-719-109-89	DIODE RD	5.6ESB2		
C624	1-104-665-11	ELECT	100MF	20%	25V	D007	8-719-109-89	DIODE RD	5.6ESB2		
	1-104-665-11	ELECT	100MF	20%	25V						
C625			4 4 4 4	20%	160V	D008	8-719-991-33	DIODE 1S	S133T-77		
C625 C628	1-124-347-00	ELECT	100MF	206	1004						
	1-124-347-00 1-136-189-00		100MF 0.1MF	20% 10%	250V	D009	8-719-109-89	DIODE RD			
C628							8-719-109-89 8-719-109-89		5.6ESB2		
C628		FILM				D009		DIODE RD	5.6ESB2 5.6ESB2		



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK	
D014	8-719-058-24	DIODE RB501V-40TE-17		D613	8-719-911-19	DIODE 1SS119-25		
D015	8-719-914-43	DIODE DAN202K		D614	8-719-058-38	DIODE FMN-G12S		
D017	8-719-109-89	DIODE RD5.6ESB2		D619	8-719-043-76	DIODE AK04V0		
D018	8-719-991-33	DIODE 1SS133T-77		D621	8-719-068-00	DIODE ERC04-06SE		
D023	8-719-109-89	DIODE RD5.6ESB2		D626	8-719-068-00	DIODE ERC04-06SE		
D101	8-719-982-24	DIODE MTZJ-T-33A		D627	8-719-510-26	DIODE D1NL20		
D104	8-719-914-43	DIODE DAN202K (KV-29X5B)		D628	8-719-059-23	DIODE P6KE200AG23	3	
D201	8-719-929-15	DIODE HZS9.1NB2		D629	8-719-979-64	DIODE UF4005PKG23	3	
D202	8-719-914-43	DIODE DAN202K		D631	8-719-110-31	DIODE RD12ES-B2		
D204	8-719-109-89	DIODE RD5.6ESB2		D632	8-719-510-64	DIODE S2LA20F		
D205	8-719-109-89	DIODE RD5.6ESB2		D633	8-719-109-89	DIODE RD5.6ES-B2		
D206	8-719-109-89	DIODE RD5.6ESB2						
D306	8-719-109-89	DIODE RD5.6ESB2			< FER	RITE BEAD >		
D307	8-719-109-89	DIODE RD5.6ESB2						
D308	8-719-109-72	DIODE RD5.9ESB2		FB001	1-412-911-11			
				FB002	1-412-911-11			
D309	8-719-991-33	DIODE 1SS133T-77		FB601	1-412-911-11	FERRITE 0U	JH	
D405	8-719-109-97	DIODE RD5.8ESB2		FB602	1-412-911-11	FERRITE 0U	JH	
D406	8-719-109-97	DIODE RD5.8ESB2		FB605	1-410-397-21	FERRITE 1.	.1UH	
D407	8-719-109-97	DIODE RD6.8ES-B2						
D409	8-719-109-97	DIODE RD6.8ES-B2		FB608	1-412-911-11	FERRITE OU	JH	
				FB609	1-535-465-11	LEAD, JUMPER (5.0	OMM)	
D414		DIODE RD6.8ES-B2		FB610	1-410-397-21	FERRITE 1.	. 1UH	
D415		DIODE HZS9.1NB2		FB611	1-410-397-21		. 1UH	
D417		DIODE HZS9-1NB2		FB612	1-535-465-11	LEAD, JUMPER (5.0	OMM)	
D422		DIODE RD6.8ES-B2						
D423	8-719-109-97	DIODE RD6.8ES-B2			< IC	>		
D427	8-719-109-97	DIODE RD6.8ES-B2		IC001	8-759-525-78	IC SAA5497PS/M1A/	/040	
D501	8-719-302-43					•	K5A/29X5D)	
D502		DIODE MTZJ-T-77-22B			8-759-526-01	IC SAA5497PS/M1A/		
D511		DIODE RGP02-17EL-6433				•	K5B/29X5E/29X5K/29X5L/2	29X5U)
D512	8-719-302-43	DIODE EL1Z			8-759-525-77	IC SAA5497PS/M1A/	/039 (KV-29X5R)	
D513		DIODE EGP20G		IC003	8-759-468-56	IC MN1381T		
D514		DIODE EGP20G		IC004	8-759-432-33	IC ST24W08FM6TR		
D534	8-719-302-43	DIODE EL1Z		IC005	8-759-516-41	IC CD4052BCM		
D535	8-719-908-03			IC101	8-759-466-47	IC TDA9817/V1	(KV-29XA/29X5D/29X5E/	
D536	8-719-945-80	DIODE ERC06-15S					KV-29X5K/29X5L/29X5R/ KV-29X5U)	1
D538	8-719-908-03	DIODE GP08D			8-759-466-49	IC TDA9818/V1	(KV-29X5B)	
D539		DIODE ERD29-08J			· · · · · · · · · · · · · · · · · · ·	,	. ,	
D541		LEAD, JUMPER (5.0MM)		IC201	8-759-442-74	IC TDA7495		
		(KV-29X5A/29X5D/2	9X5E/29X5L/29X5R)	IC301	8-752-082-35	IC CXA2060AS		
D571	8-719-911-19	DIODE 1SS119-25		IC501	8-759-192-71	IC STV9379		
				IC531	8-759-450-95	IC LM393N		
D573	8-719-921-40	DIODE MTZJ-4.7C		IC603	8-749-920-61			
D601	8-719-510-53	DIODE D4SB60L						
D602	8-719-046-74	DIODE AU-01Z-V1		IC604	8-759-524-82	IC TYA7805CTV		
D603	8-719-312-61	DIODE EU-1Z		IC605	8-759-524-83	IC TYA7809CTV		
D605	8-719-312-10	DIODE RU4AM-T3		IC606	8-749-013-75	IC STR-F6654		
					8-759-524-82	IC TYA7805CTV		
D608	8-719-067-88	DIODE RG1CLF-B1		IC609				
D610	8-719-067-78	DIODE RN3Z-LF014-302						



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPT	ION		REMARK	
	<	PHOTO COUPLER >		Q014	8-729-120-28	TRANSISTOR 2	2SC1623-	-L5L6		
				Q101	8-729-216-22	TRANSISTOR 2	2SA1162-	-G		
PH601 △	8-749-010-64	PHOTO COUPLER PC123FY2		Q107	8-729-022-54				(KV-29X5B)	
				Q109	1-801-806-11				(KV-29X5B)	
	<	SOCKET >		Q110	1-801-806-11	TRANSISTOR I	OTC144EF	KA	(KV-29X5B)	
J401	1-766-296-11	CONNECTOR, DUAL SCART		Q111	8-729-216-22	TRANSISTOR (	2SA1162-	-G	(KV-29X5B)	
J404		JACK, PIN 2P		Q112	1-801-806-11				(NV 23N3D)	
0101	1 //0 303 11	onon, III II		Q202	8-729-620-06					
	< CO1	T. >		Q401	8-729-216-22					
	( 002	,		Q405	8-729-120-28					
L001	1-408-603-31	INDUCTOR 10UH		2.00	0 727 220 20					
L102	1-408-599-21			Q408	8-729-120-28	TRANSISTOR (	2SC1623-	-T.5T.6		
L103	1-403-686-11			Q501	8-729-620-06					
L104	1-410-671-31			Q532	8-729-038-83				q	
L104	1-408-417-00			Q533	8-729-040-62					
1100	1 400 417 00	INDUCTOR 470H		Q535	8-729-119-80				1-1	
L108	1_/110_005_11	INDUCTOR CHIP 0.22UH	(KV-29X5B)	Ž222	0-729-119-00	IMMOISION	2302000	шк		
L109	1-410-789-11		(KV-29X5B)	Q571	8-729-105-08	TDANCTCT∩D '	2071220-	-06		
		LEAD, JUMPER (5.0MM)	(UA-53V)P)	Q571 Q574	8-729-103-08					
L201										
L202		LEAD, JUMPER (5.0MM)		Q575	1-801-806-11					
L203	1-406-979-11	INDUCTOR OUH		Q576	8-729-120-28					
T 200	1 400 417 00	TUD!!GMAD 47!!!		Q601	8-729-216-22	TRANSISTOR A	2SA1162-	-G		
L302	1-408-417-00				4 DE	TOMOD \				
L303	1-408-609-41				< RES	SISTOR >				
L401	1-408-417-00									
L402	1-408-417-00			JR012	1-216-296-00	SHORT			5A/29X5D/29X5E/	
L405	1-216-295-00	SHORT 0						KV-29X	5K/29X5L/29X5R/29X	(5U)
				JR023	1-216-296-00		0			
L406	1-216-295-00			JR031	1-216-295-00		0			
L501	1-408-417-00			JR033	1-216-296-00	SHORT	0			
L502	1-412-529-41									
L503	1-412-521-31			JR403	1-216-073-00	•	10K	5%	1/10W	
L532	1-412-553-41	INDUCTOR 3.3MMH		JR409	1-216-295-00		0			
				JR411	1-216-295-00		0			
L533	1-406-989-21	INDUCTOR OUH		JR412	1-216-295-00		0			
L535	1-459-111-00	INDUCTOR OUH		JR610	1-216-296-00	SHORT	0			
L537		COIL, HORIZONTAL LINEAR	ITY							
L540		LEAD, JUMPER (5.0MM)		JR613	1-216-296-00		0			
L571	1-412-533-21	INDUCTOR 47UH		JW128	1-249-437-11	CARBON	47K		1/4W	
							(K/	7-29X5	A/29X5D/29X5E/29X5	5L)
L602	1-408-417-00	INDUCTOR 47UH			1-535-465-11	LEAD, JUMPE	R (5.0MM	1)		
	_						(K/	7-29X5	B/29X5K/29X5R/29X5	5U)
	< 1	RANSISTOR >					400		4 /4 0	
				R001	1-216-025-00		100	5%	1/10W	
Q004		TRANSISTOR 2SA1162-G		R002	1-216-025-00	•	100	5%	1/10W	
Q005		TRANSISTOR DTC144EKA		R003	1-216-065-00		4.7K		1/10W	
Q006		TRANSISTOR DTC144EKA		R004	1-216-065-00		4.7K		1/10W	
Q007		TRANSISTOR 2SC3052-EF		R005	1-216-065-00	RES,CHIP	4.7K	5%	1/10W	
Q008	8-729-620-06	TRANSISTOR 2SC3052-EF								
				R007	1-216-065-00		4.7K		1/10W	
Q009		TRANSISTOR 2SC3052-EF		R009	1-216-025-00		100	5%	1/10W	
Q010	8-729-620-06	TRANSISTOR 2SC3052-EF		R010	1-216-025-00	RES, CHIP	100	5%	1/10W	
Q011	1-801-806-11	TRANSISTOR DTC144EKA		R011	1-216-025-00	RES, CHIP	100	5%	1/10W	
Q012	8-729-620-06	TRANSISTOR 2SC3052-EF		R012	1-247-807-31	CARBON	100	5%	1/4W	
Q013		TRANSISTOR 2SC3052-EF								



REF. NO.	PART.NO	DESCRI	PTION	RE	MARK	REF. NO.	PART.NO	DESCRIPTI	ON		REI	MARK
R013	1-216-214-00	RES, CHIP	4.7K 59	1/8W		R089	1-216-081-00	RES, CHIP	22K	5%	1/10W	
R014	1-216-057-00	RES,CHIP	2.2K 59	1/10W		R090	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	
R015	1-216-049-00	RES, CHIP	1K 59	1/10W		R091	1-216-081-00	RES, CHIP	22K	5%	1/10W	
R016	1-216-073-00	RES, CHIP	10K 59	1/10W		R092	1-216-073-00	RES, CHIP	10K	5%	1/10W	
R019	1-216-053-00	RES, CHIP	1.5K 59	1/10W		R093	1-216-230-00	RES,CHIP	22K	5%	1/8W	
R023	1-216-295-00	SHORT	0			R094	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R029	1-216-073-00	RES, CHIP	10K 59	1/10W		R095	1-216-025-00	RES, CHIP	100	5%	1/10W	
R030	1-216-081-00	RES, CHIP	22K 59	1/10W		R096	1-247-807-31	CARBON	100	5%	1/4W	
R032	1-216-089-00	RES, CHIP	47K 59	1/10W		R097	1-247-807-31	CARBON	100	5%	1/4W	
R034	1-216-065-00	RES,CHIP	4.7K 59	1/10W		R098	1-247-807-31	CARBON	100	5%	1/4W	
R035	1-216-049-00	RES, CHIP	1K 59	1/10W		R099	1-247-807-31	CARBON	100	5%	1/4W	
R036	1-216-065-00	RES, CHIP	4.7K 59	1/10W		R101	1-216-049-00	RES, CHIP	1K	5%	1/10W	
R038	1-216-073-00	RES, CHIP	10K 59	1/10W		R106	1-215-900-11	METAL OXIDE	22K	5%	2W 1	F
R039	1-216-089-91	RES,CHIP	47K 59	1/10W		R110	1-216-296-91	SHORT	0			(KV-29X5
R050	1-216-041-00	RES,CHIP	470 59	1/10W		R111	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	(KV-29X5
R051	1-216-049-00	RES,CHIP	1K 59	1/10W		R112	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	(KV-29X5
R053	1-216-065-00	RES,CHIP	4.7K 59	1/10W		R116	1-249-437-11	CARBON	47K	5%	1/4W	
R054	1-216-041-00	RES, CHIP	470 59	1/10W				(K	V-29X5 <i>I</i>	A/29X5	D/29X5E/	29X5K/29X5
R055	1-216-081-00	RES,CHIP	22K 59			R120	1-216-037-00	RES, CHIP	330	5%	1/10W	
R056	1-216-105-00	RES,CHIP	220K 59	1/10W		R121	1-216-025-00	RES,CHIP	100	5%	1/10W	
R057	1-216-075-00	RES,CHIP	12K 59	1/10W		R122	1-216-025-00	RES,CHIP	100	5%	1/10W	
R058	1-216-063-91	RES, CHIP	3.9K 5	1/10W		R127	1-216-031-00	RES, CHIP	180	5%	1/10W	(KV-29X5
R059	1-216-089-00	RES, CHIP	47K 59	1/10W		R128	1-216-065-00	RES, CHIP	4.7K	5%	1/10W	(KV-29X5
R060	1-216-174-00	RES, CHIP	100 59	1/8W		R129	1-216-063-91	RES, CHIP	3.9K	5%	1/10W	(KV-29X5
R061	1-216-174-00	RES,CHIP	100 59	1/8W		R133	1-216-295-00	SHORT	0 (KV	7-29X5		29X5E/29X5 29X5R/29X5
R062	1-216-033-00	RES, CHIP	220 59	1/10W		R142	1-216-295-00	SHORT	0		Z JAJII/ I	ZJAJN/ ZJAJ
R063	1-216-065-00	RES, CHIP	4.7K 59		(KV-29X5B)	R143	1-216-025-00		100	5%	1/10W	
R064	1-216-065-00	RES, CHIP	4.7K 59		(KV-29X5B)	R144	1-216-079-00		18K	5% 5%	1/10W	
R065	1-216-025-00	•	100 59		(	R145	1-216-212-00	•	3.9K		1/8W	
R066	1-216-065-00		4.7K 59			R147	1-216-017-91	•	47	5%	1/10W	(KV-29X5
R067	1-216-065-00	RES.CHIP	4.7K 59	1/10W		R148	1-216-174-00	RES.CHIP	100	5%	1/8W	(KV-29X5
R069	1-216-049-00		1K 59			R149	1-216-049-00	•	1K	5%	1/10W	(KV-29X5
R070	1-216-081-00	•	22K 59			R151	1-216-049-00	•	1K	5%	1/10W	, <b>23.10</b>
R071	1-216-214-00	•	4.7K 59			R152	1-216-025-00	•	100	5%	1/10W	(KV-29X5
R072	1-216-097-00	•	100K 59			R153	1-216-180-00	•	180	5%	1/8W	(KV-29X5
R073	1-216-097-00	RES.CHIP	100K 59	1/10W		R154	1-216-238-91	RES.CHIP	47K	5%	1/8W	
R075	1-216-069-00	•	6.8K 59			R155	1-216-089-00	·	47K	5%	1/10W	
R080	1-216-073-00	•	10K 59			R156	1-216-073-00	·	10K	5% 5%	1/10W	(KV-29X5
R081	1-216-073-00	•	10K 59			R157	1-216-063-91	·	3.9K		1/10W	(KV-29X5
R082	1-216-053-00	•	1.5K 59			R158	1-216-069-00	•	6.8K		1/10W	(KV-29X5
R083	1-216-031-00	RES.CHIP	180 59	1/10W		R204	1-247-863-91	CARBON	22K	5%	1/4W	
R084	1-216-053-00		1.5K 59			R206	1-216-085-00		33K	5%	1/10W	
R085	1-216-031-00	•	180 59			R207	1-216-295-00	·	0		-, <b>-</b> vii	
R086	1-216-053-00	•	1.5K 59			R209	1-216-065-00		4.7K	5%	1/10W	
R087	1-216-180-00	•	180 59			R211		METAL OXIDE	4.7K		1W 1	F
R088	1-216-065-00	RES CHID	4.7K 59	s 1/10W		R213	1-216-089-00	RES CHID	47K	5%	1/10W	
1.000	1 210 003-00	NEO , CHIE	7.1A J1	, 1/1UM		R301	1-216-089-00	•	100	5%	1/10W	
						KOUL	1-210-023-00	KES, CHIP	100	Jó	T/TOM	



REF. NO.	. NO. PART.NO DESCRIPTION			REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		R	EMARK	
R302	1-216-081-71	•	22K	5%	1/10W		1-249-413-11		470	5%	1/4W	
R303	1-216-073-00	•	10K	5%	1/10W			(KV-29X5				
R304	1-216-073-00	RES,CHIP	10K	5%	1/10W	R419	1-216-022-00	RES,CHIP	75	5%	1/10W	
R306	1-216-206-00	RES,CHIP	2.2K	5%	1/8W	R420	1-216-041-00	RES,CHIP	470	5%	1/10W	
R309	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	R421	1-216-113-00	RES,CHIP	470K	5%	1/10W	
						R422	1-216-295-00	SHORT	0			
R310	1-216-022-00	RES, CHIP	75	5%	1/10W	R425	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R311	1-216-022-00	RES, CHIP	75	5%	1/10W							
R313	1-216-025-00	RES,CHIP	100	5%	1/10W	R426	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R314	1-216-025-00	RES,CHIP	100	5%	1/10W	R427	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R315	1-216-075-91	RES,CHIP	12K	5%	1/10W	R429	1-216-041-00	RES,CHIP	470	5%	1/10W	
						R430	1-216-113-00	RES, CHIP	470K	5%	1/10W	
R316	1-216-025-00	RES, CHIP	100	5%	1/10W	R431	1-216-295-00	SHORT	0			
R317	1-216-049-00	RES,CHIP	1K	5%	1/10W							
R318	1-216-025-00	RES, CHIP	100	5%	1/10W	R432	1-216-113-00	RES, CHIP	470K	5%	1/10W	
R319	1-216-025-00	RES, CHIP	100	5%	1/10W	R435	1-216-022-00		75	5%	1/10W	
R320	1-216-025-00	•	100	5%	1/10W	R436	1-216-041-00		470	5%	1/10W	
						R439	1-216-041-00	•	470	5%	1/10W	
R321	1-216-025-00	RES, CHIP	100	5%	1/10W	R440	1-216-113-00	·	470K		1/10W	
R323	1-216-025-00		100	5%	1/10W			,		-		
R324	1-216-025-00	•	100	5%	1/10W	R441	1-216-295-00	SHORT	0			
R325	1-216-025-00	•	100	5%	1/10W	R442	1-216-077-00		15K	5%	1/10W	
R326	1-216-129-00	•	2.2M		1/10W	R443	1-216-073-00		10K	5% 5%	1/10W	
			_,_,	•	-, -*"	R450	1-216-041-00		470	5%	1/10W	
R327	1-216-295-00	SHORT	0			R454	1-216-041-00	·	470	5%	1/10W	
R331	1-216-057-00		2.2K	5%	1/10W	1171	1 110 041 00	-WO / OHIE	-210	<b>J</b> 0	1/ 1VM	
R332	1-216-057-00	•	2.2K		1/10W	R457	1-216-025-00	RES CHID	100	5%	1/10W	
R333	1-216-057-00	•	2.2K		1/10W	R457	1-247-807-31		100	5%	1/4W	
R334	1-216-025-00	•	100	5% 5%	1/10W	R459	1-249-403-11		68	5%	1/4W	
11333	T 710-077-00	MED / CHIE	100	<b>J</b> 0	1/ 1/11	R501	1-216-081-00		22K	5%	1/4W 1/10W	
R335	1-216-025-00	סדים רשום	100	5%	1/10W	R501	1-216-097-00	·	100K		1/10W	
R337	1-216-025-00	•	4.7K		1/10W	1,502	1-210-03/-00	MED, CHIP	TOOK	Jo	T/ TOW	
	1-216-065-00			ວ∜ 5%		R503	1_215_000_00	<b>שביואו</b> ∧עדהם	220	<b>5</b> 0	2W	P
R338 R401		•	1K 470K		1/10W 1/10W	R503	1-215-888-00 1-249-385-11		220 2.2	5% 5%	2W 1/4W	F
	1-216-113-00											
R403	1-216-041-00	KES, CHIP	470	5%	1/10W	R505	1-216-065-00		4.7K		1/10W	
D404	1 016 112 00	DEC CUID	4700	E 0.	1 /1 014	R506	1-216-061-00	·	3.3K		1/10W	
R404	1-216-113-00	•	470K	<b>5</b> 8	1/10W	R507	1-216-349-00	METAL OXIDE	Ţ	5%	1W	ľ
R405	1-216-295-00		0	<b>F</b> 0	1 /1 0**	2500	1 016 065 00	DEG 0225	4 50-	Fr	4 /4 ^	
R406	1-216-113-00	•	470K		1/10W	R508	1-216-065-00		4.7K		1/10W	
R408	1-216-022-00	•	75 100	5% 5°	1/10W	R509		RES, CHIP			1/10W	
R409	1-216-025-00	RES, CHIP	100	5%	1/10W	R510	1-216-081-00		22K		1/10W	
- 44.0	4 444 444 64		4.5.5	••	4 /4 0	R511		METAL OXIDE		5% •••	1W	
R410	1-216-025-00		100	<b>5</b> %	1/10W	R512	1-249-377-11	CARBON	0.47	5%	1/4W	F
R411	1-216-022-00	•	75	5%	1/10W							
R412	1-216-025-00	•	100	5%	1/10W	R513	1-216-097-00		100K		1/10W	
R413	1-216-295-00		0			R514	1-249-377-11		0.47		1/4W	
R414	1-216-022-00	RES, CHIP	75	5%	1/10W	R515	1-249-377-11		0.47	5%	1/4W	F
						R516	1-249-493-11	CARBON	56K	5%	1/2W	
R415	1-216-022-00	RES,CHIP	75	5%	1/10W	R517	1-249-429-11	CARBON	10K	5%	1/4W	
R417	1-247-804-11	CARBON	75	5%	1/4W							
		(KV-29X5	A/29X5D	/29X5E	/29X5K/29X5L/29X5R)	R518	1-216-065-00	RES, CHIP	4.7K	5%	1/10W	
	1-247-698-11	CARBON	68	5%	1/4W	R520	1-215-884-51	METAL OXIDE	47	5%	2W	F
		(KV-29X5	U)			R521	1-216-121-71	RES, CHIP	1M	5%	1/10W	
R418	1-260-095-11		470	5%	1/2W	R522	1-216-097-00	·	100K	5%	1/10W	
1/410												



REF. NO.	PART.NO	DESCRIPTI	ON		R	EMARK	REF. NO.	PART.NO	DESCRIPTION	ON		R	EMARK	
R524	1-216-083-91	RES,CHIP	27K	5%	1/10W		R616	1-216-393-00	METAL OXIDE	2.2	5%	3W	F	
R525	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	1	R617	1-249-405-11	CARBON	100	5%	1/4W	F	
R526	1-216-089-00		47K	5%	1/10W		R619	1-216-065-00		4.7K	5%	1/10W		
R527	1-216-077-91	'	15K	5%	1/10W	1	R622	1-249-401-11		47	5%	1/4W		
R528	1-216-246-00	RES,CHIP	100K	5%	1/8W		R627	1-249-389-11	CARBON	4.7	5%	1/4W	F	
R529	1-216-073-00	RES,CHIP	10K	5%	1/10W	1	R628	1-247-791-91	CARBON	22	5%	1/4W		
R530	1-216-085-00	RES, CHIP	33K	5%	1/10W	1	R652	1-216-393-00	METAL OXIDE	2.2	5%	3W	F	
R531	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	1	R653	1-216-393-00	METAL OXIDE	2.2	5%	3W	F	
R532	1-216-063-91		3.9K		1/10W		R658	1-215-929-11		100K	5%	3W	F	
R533	1-216-073-71	RES,CHIP	10K	5%	1/10W		R659	1-216-383-21	METAL OXIDE	0.33	5%	3W	F	
R534	1-216-113-91	RES,CHIP	470K	5%	1/10W	1	R660	1-216-384-21	METAL OXIDE	0.39	5%	3W	F	
R535	1-216-101-91	RES, CHIP	150K	5%	1/10W	1	R661	1-247-843-11	CARBON	3.3K	5%	1/4W		
R539	1-216-049-00	RES,CHIP	1K	5%	1/10W		R662	1-215-929-11	METAL OXIDE	100K	5%	3W	F	
R540	1-215-861-51	METAL OXIDE		5%	1W		R664	1-249-417-11	CARBON	1K	5%	1/4W		
R541	1-216-097-00	RES,CHIP	100K	5%	1/10W		R665	1-215-877-11	METAL OXIDE	22K	5%	1W	F	
R542	1-216-089-00		47K	5%	1/10W	1	R667	1-215-927-00	METAL OXIDE	47K	5%	3W	F	
R543	1-216-089-00	RES,CHIP		5%	1/10W									
R546	1-215-893-11		1.5K		2W			< VAF	RIABLE RESISTOR	₹ >				
R547	1-215-893-11		1.5K		2W	F								
R548	1-216-397-11	METAL OXIDE	4.7	5%	3W	F	RV101	1-241-765-11	RES, ADJ, CAI	RBON 22	2K	(KV-29X	5B)	
R549		METAL OXIDE				F		< REI	LAY >					
R552	1-216-061-00	•	3.3K		1/10W									
R553	1-249-381-11		1	5% •••	1/4W		RY601 △	1-755-245-11	RELAY					
R571	1-249-417-11		1K	5% 5%	1/4W			4 0111	·marı >					
R572	1-216-369-00	METAL OXIDE	1	38	2₩	r		< 2M1	TCH >					
R573	1-216-097-00		100K		1/10W		SW532	1-572-707-11	SWITCH, LEVE	2				
R574	1-216-065-00		4.7K		1/10W			4 MD3	MODONED >					
R575 R576	1-216-097-00 1-249-399-11		100K 33	5% 5%	1/10W 1/4W			< TRA	ANSFORMER >					
R576	1-249-399-11			5% 5%	1/4W 1/10W	1	<b>π511</b> ∧	1-453-265-11	FRT ACCV NY.	-1681 /r	12B4			
NJ01	1 210 003 00	KES, CHIE	7/10	J*	1/101		T531		TRANSFORMER,			DRIVE		
R582	1-216-089-00	RES.CHIP	47K	5%	1/10W		T532		TRANSFORMER,					
R583	1-216-081-00	•	22K	5%	1/10W			1-427-962-11						
R588	1-216-053-91	•	1.5K		1/10W		T602		TRANSFORMER,					
R589	1-216-097-00	RES, CHIP	100K	5%	1/10W				·					
R590	1-216-081-71	RES,CHIP	22K	5%	1/10W		<b>T</b> 603 △	1-431-777-11	TRANSFORMER,	CONVE	RTER			
R591	1-215-892-11	METAL OXIDE	1K	5%	2W	F		< THE	ERMISTOR >					
R593	1-249-439-11	CARBON	68K	5%	1/4W									
R594	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	1	THP601 △	1-810-96-11	THERMISTOR, PO	OSITIVE	2			
R602	1-202-961-11	CEMENTED	1.8	5%	10W									
R603	1-202-933-61	FUSIBLE	0.1	10%	1/2W	F		< TUN	ier >					
R607	△ 1-202-961-11	CEMENTED	1.8	5%	10W		TU101	1-693-418-11	TUNER (TELE9-	-001A)				
R608	1-215-927-00	METAL OXIDE	47K	5%	3W	F			(K7	7-29X5 <i>I</i>	A/29X	5B/29X5D	/29X5E,	/29X5L)
R611	1-249-415-11	CARBON	680	5%	1/4W				TUNER (BTP-AC					-29X5K)
	△ 1-240-030-91		4.7M	5%	1/2W				TUNER (BTP-AC				(KV-	-29X5R)
R614	△ 1-240-030-91	METAL	4.7M	5%	1/2W			8-598-360-01	TUNER (BTP-AU	J602)			(KV-	-29X5U)
R615	1-249-422-11	CARBON	2.7K	5%	1/4W									



REF. NO.	PART.NO	DESCRIF	PTION		REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		F	REMARK
	< CRY	/STAL >				D719	8-719-991-33	DIODE 1SS133	r-77			
X001	1-578-774-11	VIBRATOR,	CRYSTAL				< CRI	SOCKET >				
X302	1-567-505-11	OSCILLATOR	, CRYSTAL									
X303	1-567-504-11	OSCILLATOR	, CRYSTAL			J701 △	1-526-990-21	SOCKET, CRT				
*****	******	*****	******	*****	*****		< COI	L>				
	A-1638-111-A	C BOARD CO	AMDI.FTF			L704	1-408-609-41	TNIDITICTION	33UE	1		
	A 1030 111 A	******				1704	1 400 003 41	INDUCTOR	3301			
							< TRA	NSISTOR >				
	< CAI	PACITOR >				0700	0 700 110 70	MD3NGTGMOD 0	20220			
0701	1 100 114 00	CEDANTO	470DE	100	F 017	Q702		TRANSISTOR 2				
C701	1-102-114-00		470PF	10%	50V	Q703		TRANSISTOR B				
C702	1-102-115-00		560PF	10%	50V	Q704		TRANSISTOR B				
C703	1-102-116-00		680PF	10%	50V	Q705		TRANSISTOR 2				
C708 C710	1-162-114-00 1-107-652-11		0.0047MF 10MF	20%	2KV 250V	Q706	8-729-906-70	TRANSISTOR B	F871-12	27		
0/10	1 107 032 11	HH01	TOTAL	200	2501	Q707	8-729-200-17	TRANSISTOR B	F421TZ	MMO		
C711	1-102-114-00	CERAMIC	470PF	10%	50V	Q708		TRANSISTOR 2				
C712	1-102-116-00		680PF	10%	50V	Q709		TRANSISTOR B				
C714	1-126-967-11		47MF	20%	16V	Q710		TRANSISTOR B				
C717	1-120-967-11		47MF 470PF	20% 10%	50V	Q/10	0-129-200-11	IMMISISION D	. 421T_F	MINO.		
							∠ DEC	TOMOD >				
C718	1-102-114-00	CERAMIC	470PF	10%	50V		< KES	SISTOR >				
C719	1-102-114-00	CERAMIC	470PF	10%	50V	R701	1-247-895-91	CARBON	470K	5%	1/4W	
C722	1-101-880-00	CERAMIC	47PF	5%	50V	R704	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
C723	1-101-880-00	CERAMIC	47PF	5%	50V	R705	1-260-103-11	CARBON	2.2K	5%	1/2W	
C724	1-101-880-00	CERAMIC	47PF	5%	50V	R706	1-247-815-91	CARBON	220	5%	1/4W	
						R707	1-247-815-91	CARBON	220	5%	1/4W	
	< CO1	NNECTOR >				R708	1-247-791-91	CARRON	22	5%	1/4W	
CN701	1-784-633-11	PIN. CONNE	CTOR 4P			R709	1-202-844-00		330K		1/2W	
CN702	1-695-915-11					R711	1-247-843-11		3.3K		1/4W	
CN703	*1-564-509-11	-	-			R712	1-260-103-11		2.2K		1/2W	
CN/03	1 304 309 11	riog, com	ECTOR OF			R714	1-216-486-00		8.2K			F
	< DIC	DDE >								_		
						R715	1-249-417-11		1K	5%	1/4W	
D702	8-719-991-33					R716	1-247-815-91			5%	1/4W	
D703	1-535-465-11	,	, ,			R717	1-247-815-91		220	5%	1/4W	
D704	1-535-465-11	•				R718	1-202-814-11	SOLID	33K	10%	1/2W	
D705	1-535-465-11	•				R719	1-247-791-91	CARBON	22	5%	1/4W	
D706	8-719-991-33	DIODE 1SS1	33T-77			P700	1 047 040 11	41 D D O V	2 2**	<b>F</b> 0	1 / 4	
-505	0 510 001 00	1001				R720	1-247-843-11		3.3K		1/4W	
D707	8-719-991-33					R722	1-202-848-00		680K		1/2W	
D708	8-719-991-33					R723	1-249-417-11		1K	5%	1/4W	
D709	8-719-991-33					R724	1-260-131-11		470K		1/2W	
D710	8-719-991-33			F.	A	R726	1-260-103-11	CARBON	2.2K	58	1/2W	
D711	1-216-349-51	METAL OXID	E 4.7K	5%	2W	R727	1-247-815-91	CARRON	220	<b>5</b> &	1/4W	
D714	8-719-991-33	חוחת 1001	22m_77			R728	1-216-351-00		1.5		1/4W 1W	P
												r
D715	8-719-991-33					R729	1-247-815-91			5% = 0.	1/4W	
D716	8-719-991-33					R730	1-247-791-91		22	5% Fo	1/4W	
D717 D718	8-719-991-33 8-719-991-33					R731	1-247-843-11	CARBON	3.3K	5%	1/4W	
ודס	0-113-331-33	DIONE 1991	JJ1-11			R733	1-247-823-91	CARBON	470	5%	1/4W	



												V IVI
REF. NO.	PART.NO	DESCRIPTION	ON	[	REMARK	REF. NO.	PART.NO	DESCR	IPTION		REMARK	
R734	1-247-823-91	CARBON	470 58	1/4W		C1912	1-129-702-00	FILM	0.001MF	5%	630V	
R735	1-247-823-91	CARBON	470 58	1/4W		C1913	1-136-558-11	FILM	0.0039MF	5%	630V	
R736	1-216-486-00	METAL OXIDE	8.2K 58	3W	F	C1914	1-102-157-00	CERAMIC	560PF	10%	500V	
R739	1-249-417-11	CARBON	1K 5%	1/4W		C1915	1-137-102-11	FILM	0.022MF	10%	250V	
R740	1-247-823-91	CARBON	470 58	1/4W		C1951	1-126-964-11	ELECT	10MF	20%	50V	
R741	1-202-549-00	SOLID	100 20	)% 1/2W		C1952	1-164-232-11	CERAMIC C	HIP 0.01MF	10%	50V	
R744	1-249-421-11	CARBON	2.2K 58			C1953	1-136-165-00	FILM	0.1MF	5%	50V	
R745	1-249-421-11	CARBON	2.2K 58	1/4W		C1954	1-164-232-11	CERAMIC C	HIP 0.01MF	10%	50V	
R746	1-249-421-11	CARBON	2.2K 58	1/4W		C1955	1-136-165-00	FILM	0.1MF	5%	50V	
	. T/3.D	TABLE DEGLOSO				C1956	1-126-964-11	ELECT	10MF	20%	50V	
	< VAR	IABLE RESISTO	K >			C1957	1-126-964-11	ELECT	10MF	20%	50V	
RV701	1-230-641-11	RES, ADJ, ME	TAL GLAZE	2.2M		C1958	1-136-173-00	FILM	0.47MF	5%	50V	
RV702	1-241-656-21	RES, ADJ, ME	TAL FILM 1	.10M		C1959	1-107-714-11	ELECT	10MF	20%	50V	
					<b></b>	C1960	1-107-636-11	ELECT	10MF	20%	160V	
******	******	******	*******	******	* * * * * * * *		< CON	NECTOR >				
	*A-1644-088-A	VM BOARD, CON				CN1 70E	+1 ECA E10 11	DI IIC CON	NECTOD 7D			
						CN1705	*1-564-510-11			תם מת		
	4 ON F	ACTMOD >				CN1718	*1-564-506-11		, BOARD TO BOA	KD 6P		
	< CAP	ACITOR >				CN1801						
C1701	1-126-933-11	מו פרייי	100MF	20%	16V	CN1803 CN1809	*1-564-507-11 *1-508-784-12					
C1701 C1702	1-128-551-11		22MF	20% 20%	25V	CMIOUR	-1-300-104-1Z	LIN CONNE	CION DEM ETICH			
C1702	1-128-551-11		22MF 100MF	20% 20%	25V 16V		< DIO	DF >				
C1703	1-126-933-11		0.47MF	20% 5%	100V		< DIO	DE /				
C1704 C1705	1-107-638-11		33MF	20%	160V 160V	D1701	8-719-991-33	חוחה 100	133-77			
01103	1 101-030-11	PHECI	JJHF	200	1004	D1701 D1702	8-719-991-33					
C1706	1-104-999-11	FILM	0.1MF	5%	200V	D1702	8-719-110-88					
C1707	1-136-207-11		0.047MF	10%	250V	D1801	8-719-110-17					
C1708	1-137-364-11		0.001MF	5%	50V	D1802	8-719-110-17					
C1709	1-137-364-11		0.001MF	5%	50V	<b>-</b>	·		-			
C1710		CERAMIC CHIP		10%	50V	D1803	8-719-110-17	DIODE RD1	0ESB2			
-	==					D1840	8-719-302-43					
C1720	1-107-667-11	ELECT	2.2MF	20%	160V	D1841	8-719-991-33					
C1721	1-136-207-11	FILM	0.047MF	10%	250V	D1901	8-719-991-33					
C1722	1-126-934-11		220MF	20%	16V	D1902	8-719-991-33					
C1723	1-161-830-00	CERAMIC	0.0047MF		500V							
C1726	1-126-934-11	ELECT	220MF	20%	16V	D1903	8-719-991-33	DIODE 1SS	133T-77			
						D1904	8-719-991-33	DIODE 1SS	133T-77			
C1803	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	D1905	8-719-923-60	DIODE MTZ	J-T-77-9.1A			
C1804	1-126-964-11	ELECT	10MF	20%	50V	D1906	8-719-970-87	DIODE ERA	38-06			
C1805	1-137-366-11	FILM	0.0022MF	5%	50V	D1907	8-719-970-87	DIODE ERA	38-06			
C1841	1-163-023-00	CERAMIC CHIP	0.015MF	10%	50V							
C1844	1-130-959-00	FILM	0.047MF	10%	400V	D1908 D1909	8-719-300-33 8-719-991-33					
C1845	1-136-175-00	FILM	0.68MF	5%	50V	D1909 D1910	8-719-991-33 8-719-991-33					
C1901	1-163-251-11	CERAMIC CHIP	100PF	5%	50V							
C1902	1-137-374-11	FILM	0.047MF	5%	50V		< IC	>				
C1903	1-126-964-11	ELECT	10MF	20%	50V							
C1904	1-137-366-11		0.0022MF	5%	50V	IC1801	8-759-603-37	IC M5216P				
						IC1901	8-759-450-95	IC LM393N				
C1905	1-137-374-11	FILM	0.047MF	5%	50V	IC1902	8-759-008-70	IC LM358N				
C1906	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V							
	1-136-189-00		0.1MF	10%	250V							



REF. NO.	PART.NO	DESCRIPTIO	ON	REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		R	EMARK
	< COI	L >			R1722	1-216-017-00	RES,CHIP	47	5%	1/10W	
					R1724	1-216-017-00	RES,CHIP	47	5%	1/10W	
L1701	1-408-603-31	INDUCTOR	10UH		R1725	1-215-887-00	METAL OXIDE	150	5%	2W	F
L1702	1-408-597-31	INDUCTOR	3.3UH		R1728	1-216-037-00	RES, CHIP	330	5%	1/10W	
L1703	1-408-603-31	INDUCTOR	10UH		R1729	1-216-041-00	RES, CHIP	470	5%	1/10W	
L1704	1-249-422-11	CARBON	2.7K 5%	1/4W			•				
L1841	1-406-674-11		3.3mmH	•	R1731	1-249-411-11	CARBON	330	5%	1/4W	
L1843	1-406-989-21		10mmH		R1751	1-216-049-00		1K	5%	1/10W	
L1901	1-406-677-11		10mmH		R1752	1-216-049-00	·	1K	5%	1/10W	
					R1753	1-216-049-00	·	1K	5%	1/10W	
	< TRA	NSISTOR >			R1805	1-216-073-00	·	10K	5%	1/10W	
21701	8-729-120-28	TRANSISTOR 2S	C1623-L5L6		R1806	1-216-117-00	RES.CHIP	680K	5%	1/10W	
Q1702		TRANSISTOR 2S			R1807	1-216-073-00		10K	5%	1/10W	
Q1703		TRANSISTOR 2S			R1808	1-216-073-00		10K	5%	1/10W	
₆ 00	*4-368-683-11			3)	R1809	1-216-073-00		10K	5% 5%	1/10W	
Q1704	8-729-119-78	•		-,	R1810	1-216-073-00	•	10K	5% 5%	1/10W	
KT104	0 123-113-10	TIMMOTOTOK ZO			KIOIO	1 210-0/3-00	NEO , CRIP	101	J.0	1/1UW	
Q1706	8-729-017-06	TRANSISTOR 2S	C4793		R1841	1-216-097-00	RES, CHIP	100K	5%	1/10W	
Q1708	8-729-216-22	TRANSISTOR 2S	A1162-G		R1842	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	
Q1709	8-729-120-28	TRANSISTOR 2S	C1623-L5L6		R1843	1-260-111-11	CARBON	10K	5%	1/2W	
Q1710	8-729-620-06	TRANSISTOR 2S	C3052-EF		R1844	1-216-061-00	RES, CHIP	3.3K	5%	1/10W	
Q1840	8-729-120-28	TRANSISTOR 2S	C1623-L5L6		R1846	1-260-111-11	CARBON	10K	5%	1/2W	
21841	8-729-017-06	TRANSISTOR 2S	C4793		R1847	1-215-886-11	METAL OXIDE	100	5%	2W	F
21901	8-729-620-06	TRANSISTOR 2S			R1848	1-215-875-11		10K	5%	1W	F
21902	8-729-620-06				R1901	1-249-441-11		100K		1/4W	-
21903	8-729-011-06				R1902	1-216-073-00		10K	<b>5</b> %	1/10W	
21904		TRANSISTOR 2S			R1903	1-216-073-00	·	10K	5%	1/10W	
Q1905	8-729-620-06	TRANSISTOR 2S	C3052-FF		R1904	1-216-073-00	DEC CHID	10K	5%	1/10W	
Q1906	8-729-119-80				R1905	1-216-097-00	·	100K		1/10W	
Q1907		TRANSISTOR 2S			R1906	1-216-073-00	·	10K	5%	1/10W	
21301	0 723 113 00	IIIIIIOIOION 20	OZOOO III		R1907	1-216-097-00		100K		1/10W	
	< RES	ISTOR >			R1908	1-216-033-00	•	220	5%	1/10W	
R1701	1-216-049-00	סקק כעדם	1K 5%	1/10W	R1909	1-215-493-00	METAL	1M	1%	1/4W	
R1701	1-216-049-00	RES, CHIP	1K 5%	1/10W 1/10W	R1910	1-215-495-00		0	<b>±</b> 0	1/ 7N	
R1702	1-216-049-00	RES, CHIP	2.2K 5%	1/10W 1/10W	R1911	1-216-293-00		10K	5%	1/10W	
R1703	1-216-037-00	RES, CHIP	680 5%	1/10W 1/10W	R1912	1-218-845-11		10K	5%	1/10W	
R1704 R1705	1-247-815-91		220 5%	1/10W 1/4W	R1913	1-216-049-00		1K	5%	1/10W	
X1 / UJ	1 241-010-31	CUIVDON	770 Jg	1/ IN	V1313	1 210-045-00	NEO , CRIP	11/	J.0	1/1UW	
R1706	1-247-815-91	CARBON	220 5%	1/4W	R1914	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	
R1708	1-216-035-00	RES,CHIP	270 5%	1/10W	R1915	1-216-073-00	RES, CHIP	10K	5%	1/10W	
R1712	1-260-311-11	CARBON	39 5%	1/2W	R1916	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R1713	1-249-384-11	CARBON	1.8 5%	1/4W F	R1917	1-216-687-11	METAL CHIP	33K	0.50%	1/10W	
R1714	1-249-414-11		560 5%	1/4W F	R1921	1-215-896-51		4.7K			F
R1715	1-249-432-11	CARBON	18K 5%	1/4W	R1922	1-215-878-00	METAL OXIDE	33K	5%	1W	F
R1716	1-249-417-11		1K 5%	1/4W F	R1923	1-216-097-00		100K		1/10W	
R1717	1-215-913-11		220 5%	3W F	R1924	1-216-097-00	·	100K		1/10W	
R1718	1-249-432-11		18K 5%	1/4W	R1925	1-216-097-00	·	100K		1/10W	
R1719	1-249-384-11		1.8 5%	1/4W 1/4W F	R1951	1-216-037-00	·	100K	5% 5%	1/10W	
N1117	1 247-304-11	CHINDON	1.0 30	1/3N E	K1331	1 210-0/3-00	NEO , CRIP	101	J.0	1/1UW	
	1-249-400-11	CARBON	39 5%	1/4W F	R1952	1-216-065-00	RES, CHIP	4.7K	5%	1/10W	
R1720	1-243-400-11		••	•							



REF. NO.	PART.NO	DESCRIPT	TION		REMARK	REF. NO.	PART.NO	DESCRIPT	ION L	REMARK	
										112111/1111	
R1953	1-216-081-00		22K			D902		DIODE HZS9.1			
R1954	1-216-097-00		100K			D903		DIODE HZS9.1			
R1955	1-216-089-00		47K	5% 1/1	0W	D904		DIODE RD6.8E			
R1956	1-216-113-00		470K	5% 1/1	OW	D905	8-719-109-97	DIODE RD6.8E	ES-B2		
R1957	1-216-073-00	RES,CHIP	10K	5% 1/1	OW	D906	8-719-923-60	DIODE MTZJ-1	I-77-9.1A		
R1958	1-216-065-00	RES, CHIP	4.7K	5% 1/1	OW	D907	8-719-923-60	DIODE MTZJ-1	I-77-9.1A		
R1959	1-216-065-00		4.7K			D908	8-719-923-60	DIODE MTZJ-T	r-77-9.1A		
R1960	1-216-113-00		470K								
R1961	1-216-097-00		100K				< FU	SE >			
R1962	1-216-101-00		150K								
						F601	△ 1-576-232-21	FUSE (H.B.C.	.) 5AMP 250V	<i>I</i>	
R1963	1-216-081-00			5% 1/1							
R1964	1-216-057-00		2.2K				< IC	>			
R1965	1-216-081-00			5% 1/1	0W						
R1966	1-216-081-00			5% 1/1		IC900	8-742-014-11	HYB IC SBX19	981-51		
R1967	1-215-876-00	METAL OXIDE	15K	5% 1W	F		4 004	777E			
R1968	1-249-416-11	CYDBON	820	5% 1/4	w		< SO	CKET >			
R1969	1-215-870-11				" F	Ј900	1-764-606-11	.TACK			
KIJOJ	1-213-070-11	MEIAL OXIDE	1.JK	J-0 IN	F	0300	1-704-000-11	UACK			
	< TRA	ANSFORMER >					< CO:	IT >			
T1901	1-424-584-11	TRANSFORMER	, DYNAMIC	FOCUS		L900	1-412-533-21	INDUCTOR	47UH		
			,			L901	1-412-533-21		47UH		
*****	*****	*****	*****	******	*****	L902	1-408-603-31		10UH		
						L903	1-408-603-31		10UH		
	*A-1646-157-A	H1 BOARD, C	OMPLETE				- 110 000 02				
		*****					< RES	SISTOR >			
	< CM	PACITOR >				R900	1-247-807-31	CAPRON	100 5%	1/4W	
	CAL	ACTION /				R901	1-249-426-11		5.6K 5%		
C902	1-137-372-11	FTI.M	0.022MF	5%	50V	R902	1-249-437-11		47K 5%		
C903	1-137-372-11		0.022MF		50V	R902	1-249-437-11		220 5%		
C904	1-104-665-11		100MF	20%	25V	R904	1-260-091-11		220 5%	1/2W	
C905	1-104-005-11		100MF	20%	50V	K304	1-200-091-11	CARDON	220 38	1/ ZW	
C907	1-126-964-11		1MF	20%	50V 50V	R908	1-249-401-11	CYDDOM	47 5%	1/4W	
C301	1-120-900-11	FIECI	THE	20%	307	R909	1-247-895-91		470K 5%		
2000	1-126-960-11	TT TOT	1MF	200	50V					="	
C908				20%		R910	1-247-895-91		470K 5%	1/4W	
C911	1-102-074-00		0.001MF		50V	R911		LEAD, JUMPER		4 / 4==	
C912	1-102-074-00	CERAMIC	0.001MF	10%	50V	R912	1-249-422-11	CARBON	2.7K 5%	1/4W	
	< CON	NECTOR >				R913	1-249-429-11	CARBON	10K 5%	1/4W	
						R914	1-247-863-91	CARBON	22K 5%	1/4W	
CN603 Z	×1-580-844-11	PIN, CONNEC	TOR (POWE	R)							
CN604 Z	×1-695-292-11	PIN, CONNEC	TOR (POWE	R)			< SW:	TCH >			
CN900	*1-779-947-12	TERMINAL BL	OCK S								
CN906	*1-564-511-11	PLUG, CONNE	CTOR 8P			S601	△ 1-571-433-21	SWITCH, PUSH	H (AC POWER)		
CN907	*1-564-510-11					S900		SWITCH, TACT			
		•				S901	1-692-979-21	SWITCH, TACT	TILE		
CN908	*1-564-508-11	PLUG, CONNE	CTOR 5P			S902	1-692-979-21	SWITCH, TACT	TILE		
	< DIC	DDE >				*****	*****	******	******	******	****
	A #4A AAA :=										
D901	8-719-302-45										
	*4-203-258-01	HOLDER, LED	(D901)								
						1					

# **S**1

REF. NO.	PART.NO	DESCRIPTION		REMARK	REF. NO.	PART.NO	DESCRIPTION	ON	R	EMARK
	*A-1652-053-A	S1 BOARD, COMPLETE	(KV-29X	5A/29X5D/	C1149	1-126-960-11	ELECT	1MF	20%	50V
		*****	KV-29X	5K/29X5R)	C1150	1-126-960-11	ELECT	1MF	20%	50V
	*A-1652-056-A	S1 BOARD, COMPLETE	(KV-29X	5B)	C1151	1-104-664-11	ELECT	47MF	20%	25V
		*****			C1152	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
	*A-1652-052-A	S1 BOARD, COMPLETE	(KV-29X	5E/29X5L/29X5U)						
		*****				< FII	TER >			
	< CAI	PACITOR >			CF1101	1-409-327-00	TRAP, CERAMIC	(6.5MHZ)		(KV-29X5B)
C1103	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V		< CON	INECTOR >			
C1106	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V						
C1107	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	CN1101	1-766-925-11	CONNECTOR, BO	ARD TO BOX	RD 18P	
C1108	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V						
C1109	1-104-664-11	ELECT 47MF	20%	25V		< DIC	DDE >			
C1112	1-163-001-11	CERAMIC CHIP 220PF	10%	50V	D1101	8-216-295-00	SHORT	0 (KV-29)	(5A/29X5D	/29X5K/29X5R)
C1113	1-104-664-11	ELECT 47MF	20%	25V		8-719-066-72	DIODE BB135	(KV-29)	(5B/29X5E	/29X5L/29X5U)
C1114	1-163-001-11	CERAMIC CHIP 220PF	10%	50V	D1102	8-719-991-33	DIODE 1SS133T	!-77		
C1115	1-104-664-11	ELECT 47MF	20%	25V						
C1118	1-162-637-11	CERAMIC CHIP 0.47MF		16V		< FEF	RRITE BEAD >			
C1120	1-164-005-11	CERAMIC CHIP 0.47MF		25V	FB1101	1-410-396-41	FERRITE	0.45UH		
C1122	1-104-664-11	ELECT 47MF	20%	25V	FB1102	1-410-396-41	FERRITE	0.45UH		
C1123	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	FB1103	1-410-396-41	FERRITE	0.45UH		
C1124	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	FB1104	1-410-396-41	FERRITE	0.45UH		
C1126	1-126-960-11	ELECT 1MF	20%	50V	FB1105	1-410-396-41	FERRITE	0.45UH		
C1127	1-163-235-11	CERAMIC CHIP 22PF	5%	50V	FB1110	1-412-002-31	INDUCTOR CHIE	4.7UH		
		(KV-29X5A/2	29X5D/29X5	K/29X5R)	FB1111	1-412-004-31	INDUCTOR CHIE	6.8UH		
	1-163-239-11	CERAMIC CHIP 33PF	5%	50V				(KV-29	XA/29X5D	/29X5K/29X5R)
		(KV-29X5B/2	29X5E/29X5	L/29X5U)		1-412-002-31	INDUCTOR CHIE	4.7UH		
C1128	1-163-239-11	CERAMIC CHIP 33PF	5%	50V				(KV-29	XB/29X5E	/29X5L/29X5U)
C1129	1-163-989-11	CERAMIC CHIP 0.033MF		25V	FB1112		INDUCTOR CHIE			
		(KV-29X5B/2	•		FB1113	1-412-002-31	INDUCTOR CHIE	4.7UH		(KV-29X5B)
C1130	1-110-501-11	CERAMIC CHIP 0.33MF	10%	16V						
		(KV-29X5B/2	29X5E/29X5	· · · · · · · · · · · · · · · · · · ·		< IC	>			
C1131	1-164-005-11	CERAMIC CHIP 0.47MF		25V						
		(KV-29X5A/2	29X5B/29X5	D/29X5K/29X5R)	IC1101	8-759-522-62 8-759-466-48		•		/29X5K/29X5R) /29X5L/29X5U)
C1132	1-104-664-11	ELECT 47MF	20%	25V	IC1102	8-759-998-98		•	•	/29X5K/29X5R)
C1133	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V			IC UPC4558G2			/29X5L/29X5U)
C1135		CERAMIC CHIP 100PF	5%	50V				,		, , ,
C1137	1-104-664-11	ELECT 47MF	20%	(KV-29X5B) 25V		< COI	т >			
				(KV-29X5B)	L1101	1-408-596-31	INDUCTOR	2.7UH	m /00= '	005*** /005****
~11.	4 440 400 5			F 0		4 466 655 55		-	B/295XE/	295XL/295XU)
C1138	1-163-109-00	CERAMIC CHIP 47PF	5%	50V	L1113	1-408-600-31		5.6UH		(KV-29X5B)
-4			4.6	(KV-29X5B)	L1114	1-410-671-31		47UH		
C1143		CERAMIC CHIP 470PF	10%	50V	L1115	1-408-599-31	INDUCTOR	4.7UH		
C1144		CERAMIC CHIP 470PF	10%	50V						
C1145	1-163-077-00	CERAMIC CHIP 0.1MF	10%	25V	L1116	1-408-599-31		4.7UH		
					L1117	1-410-971-11	INDUCTOR	10UH		(KV-29X5B)
C1146	1-164-005-11	CERAMIC CHIP 0.47MF		25V						
C1147 C1148		CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF		25V 25V						

**S1** 

												<u> </u>	
REF. NO.	PART.NO	DESCRI	PTION		RE	MARK	REF. NO.	PART.NO	DESCR	IPTION		RE	MARK
	< TRA	ANSISTOR >					R1164	1-216-073-00	RES, CHIP	10K		1/10W	
										(K	V-29X5	B/29X5E/	29X5L/29X5U)
Q1112	8-729-620-06	TRANSISTOR	2SC3052	-EF		(KV-29X5B)	R1165	1-216-295-00	SHORT	0 (K	V-29X5	A/29X5D/	29X5K/29X5R)
Q1113	8-729-620-06	TRANSISTOR	2SC3052	-EF		(KV-29X5B)	R1167	1-216-025-00	RES, CHIP	100	5%	1/10W	(KV-295XB)
Q1114	8-729-216-22	TRANSISTOR	2SA1162	-G		(KV-29X5B)	R1168	1-216-033-00	RES, CHIP	220	5%	1/10W	(KV-29X5B)
Q1115	8-729-620-06	TRANSISTOR	2SC3052	-EF		(KV-29X5B)			•				
~						,	R1169	1-216-049-00	RES.CHIP	1K	5%	1/10W	(KV-29X5B)
	< RES	SISTOR >					R1170	1-216-001-00		10	5%	1/10W	(KV-295XB)
	, 122	,,					R1171	1-216-045-00	•	680	5%	1/10W	(KV-29X5B)
JR1105	1-216-295-00	SHORT	0				R1172	1-216-190-00		470	5%	1/8W	(KV-295XB)
UNIIUS	1 210 233 00	DHOM	v				R1173	1-216-049-00	•	1K	5% 5%	1/10W	(KV-295XB)
R1101	1-216-073-00	סדכ כעדם	10K	5%	1/10W		KII/J	1 210 049 00	RES, CHIF	III	J*0	1/101	(NV ZJJAD)
R1101	1-216-073-00	•	10K	5% 5%	1/10W		R1174	1-216-085-00	ספכ כעדם	33K	5%	1/10W	
R1102			270	5%	1/10W		R1174	1-216-085-00	•	33K	ა 5%	1/10W	
	1-216-035-00	•							,				
R1105	1-216-035-00	•	270	5%	1/10W		R1176	1-216-085-00	•	33K	5% •••	1/10W	
R1108	1-216-057-00		2.2K		1/10W		R1177	1-216-085-00	RES, CHIP	33K	5%	1/10W	
			(KV-29X5)	A/29X5	5B/29X5D/	29X5K/29X5R)							
								< CR	STAL >				
R1110	1-216-025-00		100	5%	1/10W								
R1111	1-216-025-00	RES, CHIP	100	5%	1/10W		X1101	1-767-813-21	VIBRATOR,	CRYSTAL			
R1113	1-216-073-00	RES, CHIP	10K	5%	1/10W								
R1116	1-216-295-00	SHORT	0 (K	V-29X5	5A/29X5D/	29X5K/29X5R)	******	*****	*****	*****	*****	******	*****
	1-216-689-11	METAL CHIP	39K	0.50	0% 1/10W								
			(K	V-29X5	5B/29X5E/	29X5L/29X5U)							
R1117	1-216-073-00	RES,CHIP	10K		1/10W	20VET /20VETT\							
R1118	1-216-682-11	MEMAI CUID			0B/29X3E/ )% 1/10W	29X5L/29X5U)							
KIIIO	1-210-002-11	METAL CHIP				29X5L/29X5U)							
D1101	1 016 065 00	DEC CUID				Z3X2E/Z3X20)							
R1121	1-216-065-00	RES, CHIP	4.7K		1/10W	00vEv/00vEn)							
	1 016 070 00	DEG GUID				29X5K/29X5R)							
	1-216-073-00	RES, CHIP	10K		1/10W	29X5L/29X5U)							
			(1)	V-23A.	DD/ZJAJE/	238311/238301							
R1122	1-216-073-00	RES,CHIP	4.7K	5%	1/10W								
			(K	v-29x5	5A/29X5D/	29X5K/29X5R)							
	1-216-073-00	RES, CHIP	10K		1/10W	•							
		,				29X5L/29X5U)							
R1123	1-216-065-71	RES, CHIP	47K		1/10W	,							
R1124	1_014_070 71	חדט מעדה	1 A B	<b>E</b> 0.	1/10W								
	1-216-073-71	•	10K	5% = °									
R1125	1-216-065-71	•	47K	5% = °	1/10W								
R1126	1-216-073-71	•	10K	5% = 0	1/10W								
R1130	1-216-073-00	RES, CHIP	10K	5%	1/10W								
			(K	V-29X5	oA/29X5D/	29X5K/29X5R)							
R1134	1-216-073-00	RES.CHIP	10K	5%	1/10W								
	1 210 075 00	1120 / 01111				29X5K/29X5R)							
R1152	1-216-035-00	סדים כינדה	270	v-29A3 5%	1/10W	(KV-29X5B)							
		•											
R1153	1-216-025-00	•	100	5% = 0	1/10W	(KV-29X5B)							
R1154	1-216-067-00	KES,CHIP	5.6K	5*	1/10W	(KV-29X5B)							
R1160	1-216-230-00	RES.CHIP	22K	5%	1/8W	(KV-29X5B)							
R1161	1-216-190-00	•	470	5% 5%	1/8W	(KV-29X5B)							
R1162	1-216-061-00	•	3.3K		1/10W	(KV-29X5B)							
R1163	1-216-230-00				1/10W								
VTT02	1-210-230-00	KES, CHIP	22K	5%	T\QM	(KV-29X5B)							

						specified.	
REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
		ELLANEOUS				REMOTE COMMANDER	
	****	******				*****	
Δ	1-406-807-11	COIL, DEMAGNETIZATION			1-475-765-11	COMMANDER STANDARD TY	TPE (RM 883)
	1-452-032-00	MAGNET, DISC; 10MM Ø		*****	******	******	******
	1-452-094-00	MAGNET, ROTATABLE DISE	K; 15MM Ø				
Δ	8-453-005-21	NECK ASSY (NA297-M2)					
Δ	1-453-265-11	TRANSFORMER ASSY, FLYE	BACK (NX-1681/U2B4)				
	1-503-902-11	SPEAKER (15X6.5CM)					
Δ	1-251-317-31	CAP ASSY, HIGH-VOLTAGE	E				
Δ	1-652-433-21	SWITCH, PUSH (AC POWER	R)				
Δ	1-756-286-11	CORD, POWER					
		(KV-29X5A/29X5B/2	29X5D/29X5E/29X5K/29X5R)				
Δ	1-776-204-11	CORD, POWER (FILTER)	(KV-29X5L/29X5U)				
	1-693-418-11	TUNER (TELE9-001A)	(KV-29X5A/29X5B/29X5D/				
			KV-29X5E/29X5L)				
	8-598-432-01	TUNER (BTP-AC411)	(KV-29X5K)				
	8-598-361-01	TUNER (BTP-AC402)	(KV-29X5R)				
		TUNER (BTP-AU602)	(KV-29X5U)				
		, , , , , ,	, ,				
Δ	8-733-856-05	PICTURE TUBE (SD-269)	(M68LCT60X)				
Δ		DEFLECTION YOKE (Y29G)					
		SSORIES AND PACKING MATE					
	4-042-476-01	BAG, PROTECTION					
	4-204-027-01	INDIVIDUAL CARTON					
	4-204-028-01	CUSHION (UPPER) (ASSY)	)				
		CUSHION (LOWER) (ASSY)					
		MANUAL, INSTRUCTION (F					
		(ITALIAN)	,				
	4-204-043-51	MANUAL, INSTRUCTION (F	KV-29X5B)				
		(FRENCH/GERN	MAN/ITALIAN/DUTCH)				
	4-204-074-11	MANUAL, INSTRUCTION (F	KV-29X5D)				
		(GERMAN/GREF	EK/DUTCH/ENGLISH/TURKISH)				
	4-204-043-71	MANUAL, INSTRUCTION (F	·				
		(SPANISH)	,				
	4-204-043-81	MANUAL, INSTRUCTION (F	KV-29X5E)				
		·	RWEGIAN/HUNGARIAN/				
		•	TUGUESE/DANISH/SWEDISH)				
	4-204-074-61	MANUAL, INSTRUCTION (F	·				
	1 201 0/1 01	(ENGLISH)	W 27831/27830/				
	4-204-043-91	MANUAL, INSTRUCTION (F	KV-29X5K)				
	1 201 013 31	·	ISH/POLISH/HUNGARIAN)				
	4-204-074-01	MANUAL, INSTRUCTION (F	•	1			
	4-204-014-31	·	LGARIAN/ENGLISH)				
		(V092TW/ R01	DOUVIUM ENGLIQUI				

#### S1 BOARD IC VOLTAGE TABLE

IC Voltage Table						
Ref No	Pin No	Voltage (V)				
	4	3.4				
Ref No  IC1101	5	3.2				
	7	4.8				
	8	2.3				
	9	4.8				
	10 - 12	2.3				
	13	4.8				
	15	4.8				
	16	4.8				
	17	2.6				
IC1101	18	3.5				
	19	4.0				
	33 - 34	2.4				
	36 - 37	2.4				
	38 - 39	4.8				
	41 - 42	2.4				
	44 - 48	2.4				
	53 - 55	2.4				
	59	4.8				
	60 - 61	2.4				
	64	4.8				
	1	4.5				
	2	4.1				
104400	3	4.5				
IC1102	6	4.3				
	7	3.5				
	8	9.0				

# VM BOARD TRANSISTOR VOLTAGE TABLE

Tra	Transistor Voltage Table							
Ref No	(B) Base	(C) Collector	(E) Emitter					
Q1701	2.4	8.7	1.8					
Q1702	2.4	6.5	1.8					
Q1703	133.4	52.0	133.8					
Q1704	8.7	8.5	5.8					
Q1706	0.8	52.0	0.5					
Q1708	5.0	2.1	5.6					
Q1709	5.4	8.0	4.7					
Q1710	5.6	8.0	5.0					
Q1840	-0.3	4.7	-					
Q1901	0.4	1.3	-					
Q1902	0.4	0.3	-					
Q1903	0.3	62.0	-					
Q1904	-	8.0	0.1					
Q1905	2.7	6.5	2.2					
Q1906	4.0	68.8	3.4					
Q1907	68.7	122.2	68.2					
	Gate	Drain	Source					
Q1841	4.7	18.0	-					

# A BOARD TRANSISTOR VOLTAGE TABLE

Transistor Voltage Table							
Ref No	(B) Base	(C) Collector	(E) Emitter				
Q004	4.7	0.7	4.9				
Q005	0.3	4.8	-				
Q006	-	2.0	-				
Q007	-	4.9	-				
Q008	-	4.9	-				
Q009	-	4.9	-				
Q010	0.6	-	-				
Q011	0.5	-	-				
Q012	-	4.8	-				
Q101	2.0	-	2.6				
Q109	-	4.7	-				
Q110	4.3	-	-				
Q111	2.3	2.9	2.9				
Q112	2.9	-	-				
Q202	0.6	-	-				
Q401	8.0	3.4	8.6				
Q405	4.4	8.8	3.7				
Q408	2.6	8.0	2.0				
Q532	7.3	3.1	-				
Q533	-0.2	-152.0	-				
Q535	-0.7	92.0	-				
Q571	134.2	-	134.4				
Q574	-	2.0	-				
Q576	3.4	6.7	2.8				
Q601	4.0	3.6	4.8				

# S1 BOARD TRANSISTOR VOLTAGE TABLE

Transistor Voltage Table							
Ref No	(B) Base	(C) Collector	(E) Emitter				
Q1111	2.0	4.1	1.3				
Q1112	1.5	3.5	0.9				
Q1113	1.9	4.1	1.3				
Q1114	3.5	3.3	4.1				
Q1115	3.3	4.1	2.7				

# C BOARD TRANSISTOR VOLTAGE TABLE

Tr	Transistor Voltage Table								
Ref No	(B) Base	(C) Collector	(E) Emitter						
Q702	1.5	8.3	1.1						
Q703	8.8	169.8	8.3						
Q704	169.5	1.9	209.5						
Q705	1.5	8.3	1.1						
Q706	8.8	170.7	8.3						
Q707	170.5	1.9	215.7						
Q708	1.5	8.3	1.0						
Q709	8.9	171.3	8.3						
Q710	171.2	1.9	206.3						

### VM BOARD IC VOLTAGE TABLE

	IC Voltage Table							
Ref No	Pin No	Voltage (V)						
	1 - 3	5.0						
	5 - 6	4.3						
IC1801	7	3.7						
	8	8.0						
	9	4.8						
	1	1.7						
	2	4.0						
	3	4.5						
IC1901	5	6.7						
	6	6.8						
	7	3.6						
	8	8.0						
	1 - 3	2.8						
IC1902	5 - 6	5.2						
	7	5.0						
	8	8.0						

#### A BOARD IC VOLTAGE TABLE

IC Voltage Table									
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	
	4	0.8		1 - 2	3.2		34 - 35	3.3	
	6	3.2		3	4.8		41	5.0	
	7 - 8	4.8		4	3.0		42	8.6	
	9	0.3		5	2.8	IC301	43	5.0	
	10	2.0		6	2.7		44	8.8	
	11	1.5		7	3.9		45	5.2	
	12	4.7	IC101	8	2.2		48	1.5	
	19	3.6		12	2.0		1	15.3	
	20	4.3		15	1.5		5	15.3	
	21	4.8		17	0.3		7	15.3	
	24	2.5		18 - 19	2.6	IC201	10	4.5	
	25	2.1		21	4.7		12	15.3	
IC001	26	2.4		22	0.9		13	31.2	
	30	4.8		23 - 24	3.2		14	15.3	
	31	5.0		1	3.3	IC501	1	1.4	
	36	0.2		2	5.0		2	14.0	
	37	0.1	-	3	4.3		3	-13.0	
	38 - 39	5.0		4	5.0		4	-14.0	
	41 - 42	2.2		6	4.4		5	0.2	
	44	4.8		8	4.5		6	14.5	
	45	2.8		11	3.9		7	1.4	
	47	0.1		12	2.4		1	1.6	
	48	2.4	IC301	13	3.5		2	1.7	
	49	3.3	10001	14	3.4		3	1.9	
	50	3.1		15	5.6	IC531	5	2.8	
	51	0.1		16	7.6		6	2.0	
	5 - 6	4.8		18	1.3		7	7.3	
IC004	7	3.3		19	2.4		8	8.8	
10004	8	3.2		20	3.8	IC606	1 - 2	-60.0	
	9	3.2		21	1.6	1	4	-51.3	
	10	4.7		22 - 24	1.5	IC609	4	-58.0	
	12	4.7		26 - 28	4.5				
IC005	13	1.5		30	4.5				
	14	4.7		31 - 32	4.4				
	16	4.7		33	8.1	1			

### A BOARD * MARK

Ref	29X5A	29X5B	29X5D	29X5E	29X5K	29X5L	29X5R	29X5U
C111	0	01UF	0	0	0	0	0	0
C133	-	1UF	-	-	-	-	-	-
C414	1UF	0.001UF	1UF	1UF	0.001UF	1UF	1UF	1UF
C579	-	LEAD JUMPER (5.0MM)	-	-	LEAD JUMPER (5.0MM)	-	-	LEAD JUMPER (5.0MM)
C606	330UF	330UF	330UF	330UF	-	330UF	330UF	330UF
CF105	-	TRAP CERAMIC	-	-	-	-	-	TRAP CERAMIC
D541	LEAD JUMPER	-	LEAD JUMPER	LEAD JUMPER	-	LEAD JUMPER	LEAD JUMPER	-
IC001	SAA5497PS/ MIA/040	SAA5497PS/ MIA/038	SAA5497PS/ MIA/040	SAA5497PS/ MIA/038	SAA5497PS/MIA/ 038	SAA5497PS/MIA/ 038	SAA5497PS/ MIA/039	SAA5497PS/ MIA/038
IC101	TDA9817/V	TDA9818/V1	TDA9817/V	TDA9817/V	TDA9817/V1	TDA9817/V1	TDA9817/V	TDA9817/V
JR012	0	-	0	0	0	0	0	0
JW128	47K	LEAD JUMPER (5.0MM)	47K	LEAD JUMPER (5.0MM)	47K	47K	LEAD JUMPER (5.0MM)	LEAD JUMPER (5.0MM)
Q110	-	DTC144EK-T146	-	-	-	-	-	-
RO63	-	4.7K	-	-	-	-	-	-
RO64	-	4.7K	-	-	-	-	-	-
R112	-	2.2K	-	-	-	-	-	-
R116	47K	-	47K	47K	47K	47K	-	-
R133	0	-	0	0	0	0	0	0
R149	-	1K	-	-	-	-	-	-
R417	75	75	75	75	75	75	75	68
R418	470 ½W	470 ¼W	470 ½W	470 ½W	470 ¼W	470 ½W	470 ½W	470 ¼W
RV101	-	22K	-	-	-	-	-	-
SWF101	1-767-874-11	1-579-273-11	1-767-874-11	1-767-874-11	1-767-874-11	1-579-273-11	1-767-874-11	1-767-874-11
SWF103	-	FILTER, SURFACE WAVE	-	-	-	-	-	
TU101	TELE9-001A	TELE9-001A	TELE9-001A	TELE9-001A	BTP-AC411	TELE9-001A	BTP-AC402	BTP-AU602

#### S1 BOARD * MARK

Ref	29X5A	29X5B	29X5D	29X5E	29X5K	29X5L	29X5R	29X5U
C1127	22PF	33PF	22PF	33PF	22PF	33PF	22PF	33PF
C1129	-	0.033UF	-	0.033UF	-	0.033UF	-	0.33UF
C1130	-	0.33UF	-	0.33UF	-	0.33UF	-	0.33UF
C1131	0.47UF	0.47UF	0.47UF	-	0.47UF	-	0.47UF	-
D1101	0	BB135	0	BB135	0	BB135	0	BB135
FB1111	6.8UH	4.7UH	6.8UH	4.7UH	6.8UH	4.7UH	6.8UH	4.7UH
FB1113	-	4.7UH	-	-	-	-	-	-
IC1101	TDA9870	TDA9875P	TDA9870	TDA9875P	TDA9870	TDA9875P	TDA9870	TDA9875P
IC1102	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2
L1101	-	2.7UH	-	2.7UH	-	2.7UH	-	2.7UH
L1113	-	5.6UH	-	-	-	-	-	-
L1117	-	10UH	-	-	-	-	-	-
R1108	2.2K	2.2K	2.2K	-	2.2K	-	2.2K	-
R1116	0	39K	0	39K	0	39K	0	39K
R1117	-	10K	-	10K	•	10K	•	10K
R1118	-	20K	-	20K	•	20K	•	20K
R1121	4.7K	10K	4.7K	10K	4.7K	10K	4.7K	10K
R112	4.7K	10K	4.7K	10K	4.7K	10K	4.7K	10K
R1130	10K	-	10K	-	10K	-	10K	-
R1134	10K	-	10K	-	10K	-	10K	-
R1164	-	10K	-	10K	-	10K	-	10K
R1165	0	-	0	-	0	-	0	-

	IC	D	OIODE	D534	D - 3
IC001	C - 11	D001	D - 8	D535	F - 4
IC003	D - 10	D002	D - 8	D536	F - 2
IC004	D - 9	D004	D - 10	D538	F - 4
IC005	B - 11	D005	D - 8	D539	F - 2
IC101	A - 4	D007	D - D9	D571	F - 5
IC201	B - 7	D008	D -7	D601	G - 8
IC301	D - 6	D009	C - 11	D602	I - 6
IC501	I - 4	D010	D - 10	D603	H - 6
IC531	C - 4	D011	E - 12	D605	G - 6
IC603	F - 6	D012	D - 11	D608	H - 8
IC604	E - 6	D014	D - 11	D610	F - 7
IC605	C - 8	D15	D - 11	D613	E - 9
IC606	I - 7	D017	E - 10	D614	G - 6
IC608	D - 12	D018	D - 7	D619	I - 8
IC609	E - 11	D023	E - 10	D621	F - 10
TRAI	NSISTOR	D101	B - 2	D626	F-9
Q004	B - 9	D104	A - 3	D627	F - 9
Q005	C - 10	D201	C - 8	D628	E - 10
Q006	B - 9	D202	C - 8	D629	E - 11
Q007	D - 10	D204	C - 9	D631	F - 11
Q008	D - 11	D205	B - 8	D632	E - 10
Q009	D - 11	D206	B - 7	D633	E - 9
Q010	D - 10	D306	C - 6	D535	F - 4
Q011	D - 8	D307	C - 6	D536	F - 2
Q202	C - 8	D308	E - 5	D538	F - 4
Q401	B - 2	D309	E - 5	D539	F - 2
Q405	B - 2	D405	C - 1		
Q408	B - 2	D406	C - 2		
Q501	I - 5	D407	D - 2		
Q532	E - 2	D409	B - 1		
Q533	F - 1	D415	D - 2		
Q535	D - 1	D417	D - 2		
Q571	F5	D422	C -1		
Q574	E - 5	D423	C - 1		
Q575	E - 6	D427	B - 2		
Q576	E - 6	D501	I - 4		
Q202	C - 8	D502	H - 4		
Q401	B - 2	D501	I - 4		
Q405	B - 2	D502	H - 4		
Q408	B - 2	D511	G - 3		

Q501

Q532

Q533

I - 5

E - 2

F - 1

D512

D513

D514

H - 3

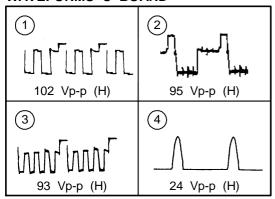
I - 3

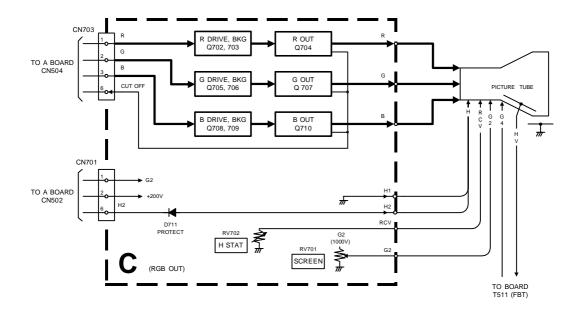
I - 3

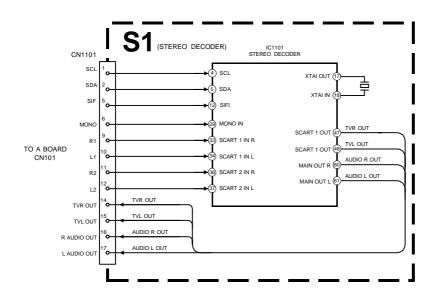
### **WAVEFORMS A BOARD**

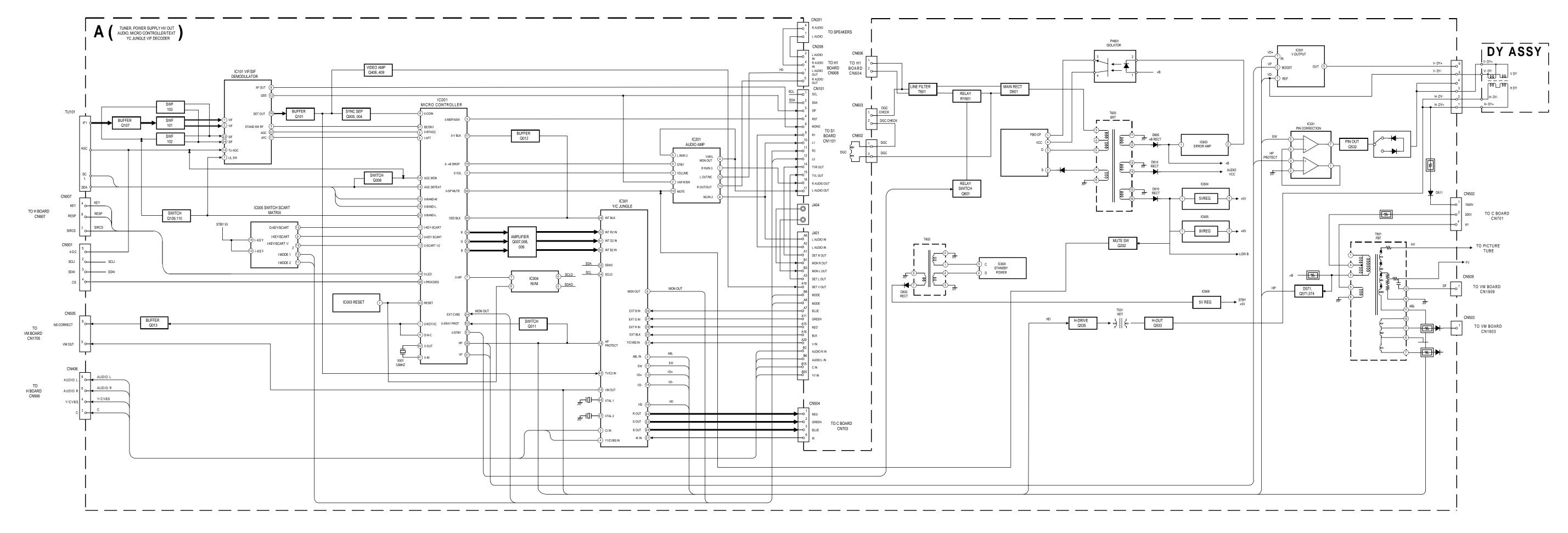
1 PAL	1 SECAM	② PAL	② SECAM	3
	The state of the s	-1/1-1/1-	The last of the la	\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>
1.0 Vp-p (H)	1.3 Vp-p (H)	1.0 Vp-p (H)	1.3 Vp-p (H)	2.6 Vp-p (H)
4		6	7	8
2.6 Vp-p (H)	0.5 Vp-p (H)	5.0 Vp-p (H)	1.4 Vp-p (H)	2.0 Vp-p (H)
9	10	11)	12	13
	7-1			
146 Vp-p (V)	12 Vp-p (H)	142 Vp-p (H)	56 Vp-p (V)	290 Vp-p (H)
(14)	15 PAL	15 SECAM		
		Total Property		
1.1KVp-p (H)	2.4 Vp-p (H)	3.0 Vp-p (H)		

### WAVEFORMS C BOARD

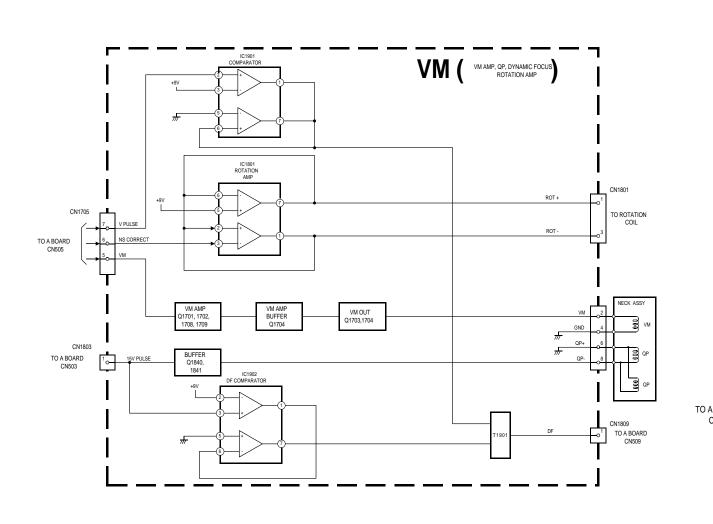


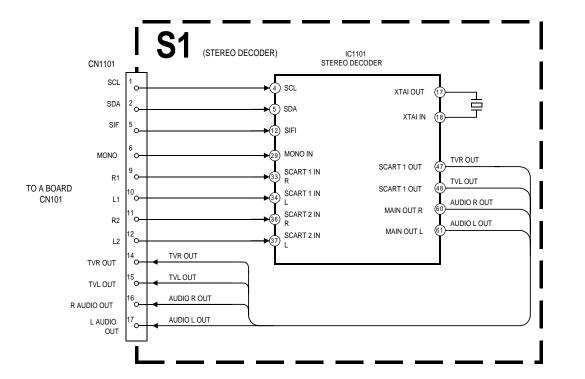


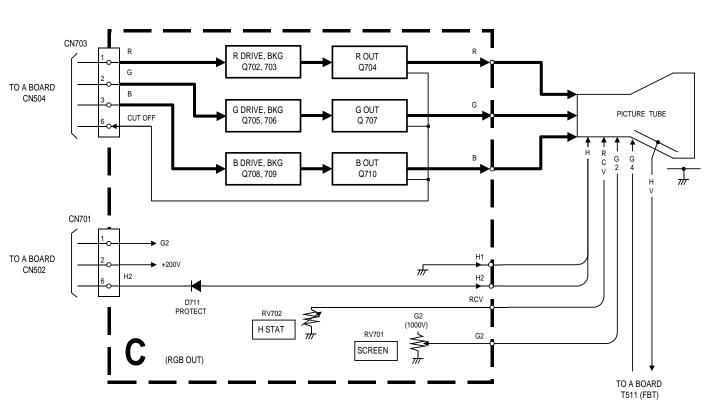


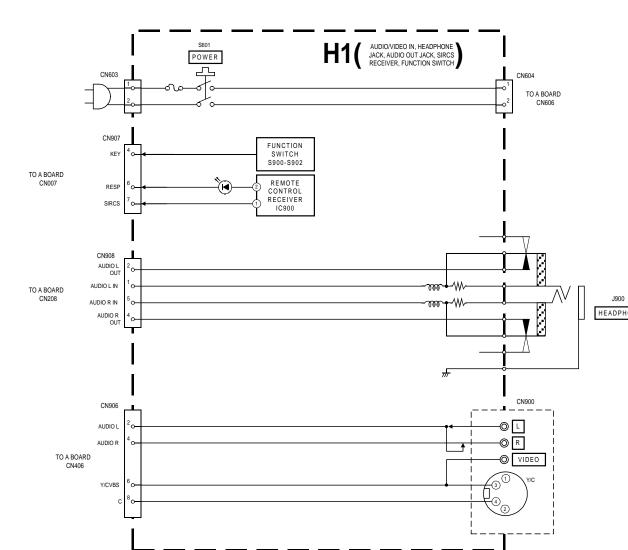


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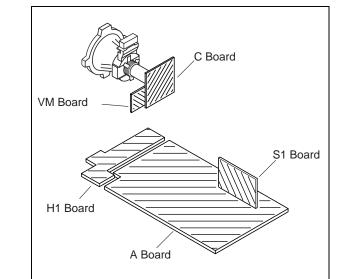








### 5-2. CIRCUIT BOARD LOCATION



#### 5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- All capacitors are in µF unless otherwise noted.
- pF : μμF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

### Pitch : 5mm Electrical power rating: 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms. k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have
- characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- B bus.
- : RF signal path.
- : earth ground.
- : earth chassis.

#### Reference Information

RESISTOR	RN	: METAL FILM		
	RC	: SOLID		
	FPRD	: NON FLAMMABLE CARBON		
	FUSE	: NON FLAMMABLE FUSIBLE		
	RS	: NON FLAMMABLE METAL OXIDE		
	RB	: NON FLAMMABLE CEMENT		
	RW	: NON FLAMMABLE WIREWOUND		
	*	: ADJUSTMENT RESISTOR		
COIL	LF-8L	: MICRO INDUCTOR		
CAPACITOR TA	TA	: TANTALUM		
	PS	: STYROL		
	PP	: POLYPROPYLENE		
	PT	: MYLAR		
	MPS	: METALIZED POLYESTER		
	MPP	: METALIZED POLYPROPYLENE		
	ALB	: BIPOLAR		
	ALT	: HIGH TEMPERATURE		
	ALR	: HIGH RIPPLE		

Note: The components identified by shading and marked extstyle exReplace only with the part numbers specified in the parts list.

Note: Les composants identifies par une trame et par une marque ∆ sont d'une importance critique pour le securite. Ne les remplacer que par des pieces de numero specifie.

29 30 31 32

